norbain
security delivered

norbain.com

WELCOME

TO THE 2022/23 EDITION OF THE NORBAIN PRODUCT CATALOGUE

"Welcome to another edition of the Norbain catalogue. As usual, it's packed full of a huge range of products from leading and specialist suppliers in the industry.

As well as ensuring we can offer you the widest range of products with the best lead times, we've continued to create educational content on our YouTube Channel, Norbain TV. You'll see our very own Pocket Size Buzz pop up though out the catalogue – just use the handy QR codes to be taken straight through to each video.

You may have noticed on this catalogue that we've updated the Norbain logo. This was part of a bigger rebranding exercise to help reflect the many changes that we've made as a company and to better represent who we are now. Our aim, at all times, is to work as a trusted partner with customers and suppliers to ensure that the right solutions are delivered at the right time, every time.

And the rebranding isn't the extent of the changes we're making. We're also excited to be launching a new website this year with improved filtering and search functionality. This is just the first stage of our new online presence – we'll keep you updated with each development as it occurs.

As always, we're here to help, so if you'd like to discuss how we can help you maximise any opportunities, or you just need a bit of support, please get in touch."

Best regards

Mark Field
Managing Director of Norbain SD

ONLINE OR IN PRINT WE'VE GOT YOU COVERED!

This catalogue, combined with norbain.com, ensures that you have all the tools you need, as and when you need them, to find, organise and buy for your security projects.

NORBAIN.COM

As well as providing you with detailed information about each product, the site has been designed to make your online research as effective as possible.

Main features include:

- Powerful search and filtering
- Customer-specific pricing on log-in
- Thousands of the industry's leading products and solutions
- On-line order placement

Working with Norbain as your security partner brings with it more than just the widest range of brands and the best distribution network on the market.

BUILDING RELATIONSHIPS, CREATING OPPORTUNITIES, PROVIDING SOLUTIONS

Our business ethos is simple. Create a rock solid foundation based on service, knowledge and support on which to build relevant and effective solutions.

By forging close relationships with our technology partners and our customers, we can craft systems to match the most exacting requirements. And because we work across Video, Access Control and Intruder Detection, we can create solutions that span any or all of these areas.

The result? We help to create opportunities for all of our partners and ensure that each project runs smoothly.

As comprehensive as this catalogue is, it's not exhaustive in terms of the whole range of products we can offer. So please do give us a call and speak with your dedicated Norbain Account Manager if there's a particular product or solution that's not listed.

Thank you for ongoing support, and we look forward to speaking with you soon.

WIDE RANGE OF PRODUCTS

Largest choice of products in the industry
Constant product research and evaluation guarantees that Norbain's product range remains the most comprehensive and advanced in the industry. All aspects of security systems are available, including Video, Access Control and Intruder Detection, as well as an extensive range of ancillaries.

One-stop-shop for all aspects of installation
There's no need to spend time and money shopping around multiple suppliers. Norbain has everything you need, from the most complex systems to the smallest of accessories.

Continually evaluating the latest innovations and technologies
The technologies in the market never stand still, so nor do we. Our product management teams work tirelessly with new and existing suppliers to ensure we bring the most promising and exciting of these innovations to you.

INDUSTRY LEADING DISTRIBUTION

Next day and timed deliveries on all orders received before 6pm
Don't let a project be held up by those last minute requirements. We can guarantee you will receive the products you need, when and where you need them.

Delivery information via text
Provide us with a mobile number and we can make sure you receive an ETA from DHL via text about your delivery.

Deliveries direct to site, or wherever suits you best
Ensuring a product is available for installation is vital to any project. Whatever your requirements, you can rely on us to make those vital deliveries to a location of your choice.

DHL collections
We understand that getting products to different sites at exactly the right times can be a tricky process. This is why we've teamed up with DHL to give you the option of collecting orders from one of any of the DHL depots across the country.

Customer-specific logistics solutions
From eco-site compatibility to next day delivery in the UK and Ireland or air freight worldwide, we're geared around understanding your requirements, and meeting them.

World class logistics operation
We work with 'best in class' partners to ensure reliability and efficiency at every stage of the process.

FULL PORTFOLIO OF SERVICES

Pre-configuration service
Our pre-configuration service reduces the amount of time engineers spend on site by preparing the system prior to delivery. In addition to saving time, this also reduces the risk to the installer as the equipment is fully tested during this process.

Repairs service
Let our Customer Service team take the stress and hassle out of having products from one or multiple manufacturers repaired, either in or out of warranty, and returned to a location of your choice.

Simple and efficient returns procedures
Don't worry if an incorrect product has been ordered, or if an item is no longer required. Simply get in touch with our Customer Service team to raise a returns number.

Demonstration rooms and conference facilities
Our demonstration rooms are packed full of the latest IP and analogue products, making them ideal for product shoot-outs, customer demonstrations and keeping up to date with the latest technologies. This helps ensure your customers always find the best solution to their requirements.

Industry-leading technical support
Our technical staff are trained to provide first line support, free of charge, on every product we sell. This provides our customers with the reassurance of expert technical back up from 8.30am to 6.00pm, Monday to Friday.

DEDICATED SALES TEAMS

Available 8.30am to 6pm
We operate some of the longest opening hours in the industry to help you keep your commitments and provide you with the product advice you need.

Dedicated, friendly sales teams with extensive industry experience
Our teams aim to work with you to best understand the requirements of your business and are committed to excellent service and problem solving.

Field-based and internal teams
Assigned to every account to maximise service levels, these teams provide you with the support you need, when and where you need it.

Highly accredited staff
All our staff are fully trained and accredited across all our key suppliers, attending & participating in regular training sessions to ensure we are up to date with the latest products and technology in the industry.

OUR SUPPLIERS

We are pleased to work with a wide range of industry-leading and specialist brands to bring you the best selection of security products in the industry. Below is a list of all of those who feature in the 2022/23 catalogue. Please speak with your dedicated sales team if you're interested in a supplier not mentioned here.

2N An Axis company
ABLOY
Adams Rite ASSA ABLOY
Addlestone Electronics AE
Akuvox
ALTRON The Pinnacle of Camera Mounting
AMG
ASSA ABLOY Opening Solutions
AXIS COMMUNICATIONS
BOSCH Invented for life
cie av solutions
CONTRACT LOCKING SERVICES
CQR
D-Link
DUNASFERN
EATON Powering Business Worldwide
effeff ASSA ABLOY
ELMDENE Protecting People & Property
FARGO
GJD Detect.Illuminate.Deter
Hanwha Techwin Europe
HID
HIKVISION
HKC
Honeywell
HOYLES
IDIS One Solution. One Company.
JAVELIN DNA

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

BUILDING RELATIONSHIPS • CREATING OPPORTUNITIES • PROVIDING SOLUTIONS

KNIGHT #TheBiggestRange

NORTECH

NVT PHYBRIDGE

OPTEX Sensing Innovation

PRC

Paxton

raytec

Scope

SECURE LOGIQ

SSP SPECIALIZED SECURITY PRODUCTS

STI

Stormaxs

suprema BIOMETRICS & SECURITY

TDSi UK

Texecom

TOA

veracity

vista

VIVOTEK A Delta Group Company

Western Digital.

YUASA

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

North: 01253 894 488 South: 0118 912 5000 Nationals: 01253 887 824 Ireland: +44 118 912 5566 Export: +44 118 912 5564

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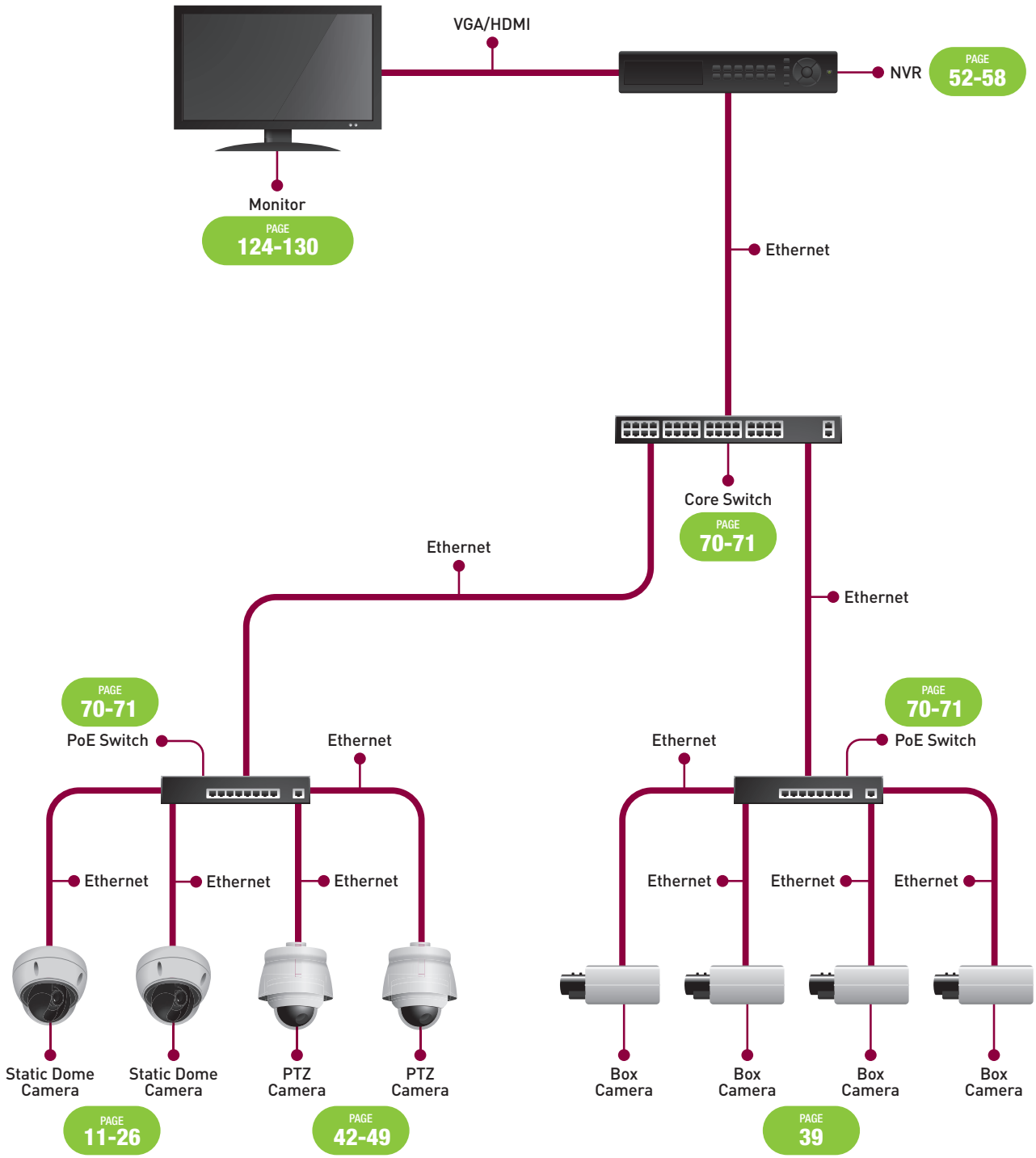
IP CAMERAS

The below schematic shows a typical IP CCTV camera system using an NVR with monitor output without the need for a Client PC. In addition, the schematic takes into account the use of Edge PoE (Power over Ethernet) switches to overcome network cable distance restrictions of 100m max.



IP CAMERAS
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IP Lenses	40
Thermal Imaging Cameras	41
IP PTZ Domes	42
Body Worn Cameras	49

	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	NDAA Compliant	Secure by Default
4K CAMERAS																		
	Hanwha Techwin	**PND-A9081RV**	**0640650**	3480x2160 (4K)/8MP	30ips	4.5-10mm	TDN	120dB	30m	0.05/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**PNV-A9081R**	**0640670**	3480x2160 (4K)/8MP	30ips	4.5-10mm	TDN	120dB	30m	0.05/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**PND-A9081RF**	**0640640**	3480x2160 (4K)/8MP	30ips	4.5-10mm	TDN	120dB	30m	0.05/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**PNO-A9081R**	**0640660**	3480x2160 (4K)/8MP	30ips	4.5-10mm	TDN	120dB	30m	0.05/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	Dark Grey	✓	-
	Hanwha Techwin	**PNB-A9001**	**0640630**	3480x2160 (4K)/8MP	30ips	4.5-10mm	TDN	120dB	30m	0.03 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	Black	✓	-
	Hanwha Techwin	**XNO-9082R**	**0808290**	3480x2160 (4K)/8MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12/24V	Dark Grey	✓	✓
	Hanwha Techwin	**XNV-9082R**	**0808300**	3480x2160 (4K)/8MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12V/24V	White (RAL9003)	✓	✓
	Hanwha Techwin	**XND-9082RF**	**0808310**	3480x2160 (4K)/8MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	✓
	Hanwha Techwin	**XND-9082RV**	**0808320**	3480x2160 (4K)/8MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	✓
	Hikvision	**DS-2CD2087 G2-LU(2.8mm)(C)**	**0884540**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	21-50m	0.005/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	-	✓
	IDIS	**DC-D3C33HRX**	**0855180**	4000x3000/12MP	15ips	4.5-10mm	TDN	WDR - 120dB	30m	0.3/0 lux (IR LED on)	4	✓	✓	1 in/1 out	PoE, 12VDC	Off White	-	✓
	Paxton	**010-158**	**0877200**	3480x2160 (4K)/8MP	20ips	2.8mm	TDN	120dB	40m	0.003 lux	2	✓	✓*	-	PoE, 12VDC	White	-	-
	Paxton	**010-480**	**0877210**	3480x2160 (4K)/8MP	20ips	2.8mm	TDN	120dB	30m	0.003 lux	2	✓	✓*	-	PoE, 12VDC	White	-	-
A	Paxton	**010-924**	**0877220**	3480x2160 (4K)/8MP	20ips	2.8-12mm	TDN	120dB	60m	0.003 lux	2	✓	-	-	PoE, 12VDC	White	-	-
8K CAMERAS																		
	Hanwha Techwin	**TNB-9000**	**0644650**	7680x4320/33MP	60ips	-	TDN	D-WDR	-	0.015/0.0015 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	Black	✓	-

***Audio playback functionality not available in Paxton10**

Paxton

A 010-924

- High performance varifocal bullet cameras
- 8MP, 4K resolution for crystal clear recording
- 256GB on camera storage included as standard
- IP67 and IK10 rated
- Industry leading low light performance (0.003 lux)

ALTRON
The Pinnacle of Camera Mounting
See pages 120-121 for Altron Towers

MARKET OPPORTUNITIES – RETAIL AND BUSINESS PARKS

Retail and business parks – still a growing trend but usually with security as an afterthought, so what solutions can you recommend to your customer?

Buzz Coates takes us through the various possibilities – wireless CCTV, audio, ANPR, multi-sensors & panoramic options along with considerations to suit the environment.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	NDAA Compliant	Secure by Default
INTERNAL STATIC DOMES 2MP																		
	Hanwha Techwin	**XND-L6080R**	**0847440**	1920x1080 (1080p)/2MP	60ips	3.2-10mm	TDN	120dB	30m	0.1/0 lux (IR on)	5	✓	✓	-	PoE	Ivory	✓	-
	Hanwha Techwin	**XND-6010**	**0810450**	1920x1080 (1080p)/2MP	60ips	2.4mm	TDN	120dB	-	0.055/0.055 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-6011F**	**0313940**	1920x1080 (1080p)/2MP	60ips	2.8mm	SDN	120dB	-	0.055/0.055 lux	10	✓	✓	-	PoE	Ivory	✓	-
	Hanwha Techwin	**XND-6020R**	**0810400**	1920x1080 (1080p)/2MP	60ips	4mm	TDN	150dB	30m	0.015/0.0015 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-6080R**	**0810420**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	-	0.015/0.0015 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-6080RV**	**0810430**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	30m	0.015/0.0015 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-6080V**	**0810440**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	30m	0.004/0.0004 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-6085**	**0847470**	1920x1080 (1080p)/2MP	60ips	4.1-16.4mm	TDN	150dB	-	0.004/0.0004 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**QND-6012R**	**0649320**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	20m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**QND-6022R**	**0682910**	1920x1080 (1080p)/2MP	30ips	4mm	TDN	120dB	20m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**QND-6032R**	**0647130**	1920x1080 (1080p)/2MP	30ips	6mm	TDN	120dB	20m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**QND-6082R**	**0678670**	1920x1080 (1080p)/2MP	30ips	3.2-10mm	TDN	120dB	20m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-
	Hanwha Techwin	**XND-6081REV**	**0640590**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	50m	0.015/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE	White (RAL9003)	✓	-
	Hanwha Techwin	**XND-6010/MSK**	**0640860**	1920x1080 (1080p)/2MP	60ips	2.4mm	TDN	120dB	-	0.055/0.055 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-6083RV**	**0897660**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	30m	0.015 lux/0.0015 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-C6083RV**	**0897670**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	30m	0.015 lux/0.0015 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hikvision	**DS-2CD2126 G2-ISU(2.8mm)(C)**	**0875180**	1920x1080 (1080p)/2MP	25ips	2.8mm	TDN	120dB	30m	0.002/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	-	✓
	Hikvision	**DS-2XC6142 FWD-IS(2.8mm)(C)**	**0900690**	2688x1520/ 4MP	25ips	2.8mm	TDN	120dB	15m	0.009/0/0.0018/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	-	✓
	IDIS	**DC-D4216RX**	**0873460**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	WDR 120dB	30m	0.1/0 lux (IR LED on)	4	✓	✓	1 in/1 out	PoE, 12VDC	Off White	✓	✓
	IDIS	**DC-D4236RX-A**	**0886140**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	WDR 120dB	30m	0.1/0 lux (IR LED on)	4	-	-	1 in/1 out	PoE, 12VDC	Off White	✓	✓
B	Vista	**VK2-2MPXVFDIR28V12M**	**0308060**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	120dB	25m	0.1/0 lux (IR on)	4	✓	✓	1 in/1 out	PoE, 12VDC	White	-	✓

vista

VK2-2MPXVFDIR28V12M

- 2MP (1920x1080) resolution
- 2.8-12mm varifocal lens
- Up to 25m IR
- H.265, H.264, MJPEG codec supported, multiple streaming
- True WDR (120dB)
- ONVIF compliant

The VK2-2MPXVFDIR28V12M is a varifocal 2MP internal dome that packs an impressive level of features and functionality into its robust but aesthetically designed housing. The dome can deliver up to 4 streams in multiple formats (H.264, H.265 & MJPEG). As well as True WDR, motorised remote set up lens, IR illumination, alarms, audio, MicroSD card and PoE, the camera has a "Hi-Stream" function. This offers static and dynamic Regions of Interest (ROI) within the VK2-2MPXVFDIR28V12M dome set up. This function allows the camera to continually analyse the scene, adding more compression to areas of low interest with no motion whilst applying lower levels of compression to areas where motion is present, as a result showing higher definition in these areas. This means that lower bandwidth is required for transmission and less storage is required on the NVR. The wide ranging 2.8-12mm motorised lens can be remotely adjusted to give the optimal angle of view, making it a simple one person installation. The VK2-2MPXVFDIR28V12M dome is designed to fit with a range of different bracket solutions, including the DJBW external junction box and VCW-IWMB wall bracket, making it a versatile solution for the installer. ONVIF compliance also ensures it can be used on multiple manufacturers' recording platforms.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Experience
The Norbain Advantage

Dedicated sales teams

- Available 8.30am to 6.00pm
- Dedicated, friendly sales teams with extensive industry experience
- Field-based and internal teams
- Excellent IP knowledge
- Highly accredited staff
- Worldwide sales support

Want to find out more about how Norbain can support your business?
Contact us today:

info@norbain.com www norbain.com 0118 912 5000

Built on partnership, strengthened by commitment.

Axis Channel Partner Program
axis.com/partner

AXIS COMMUNICATIONS

Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	NDAA Compliant	Secure by Default
INTERNAL STATIC DOMES 1080P																	
Bosch	**NDV-3502-F03**	**0635480**	1920x1080 (1080p)/2MP	30ips	2.8mm	SDN	120dB	-	0.06/0.015 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
Bosch	**NDV-3502-F02**	**0638150**	1920x1080 (1080p)/2MP	30ips	2.3mm	SDN	120dB	-	0.06/0.015 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
Bosch	**NTV-3502-F03L**	**0638820**	1920x1080 (1080p)/2MP	30ips	2.8mm	SDN	120dB	15m	0.06/0.015 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
Bosch	**NTV-3502-F02L**	**0638830**	1920x1080 (1080p)/2MP	30ips	2.3mm	SDN	120dB	15m	0.06/0.015 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
Hanwha Techwin	**PND-A6081RF**	**0877950**	1920x1080 (1080p)/2MP	120ips	4.38-9.33mm	TDN	120dB	30m	0.007 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	-
Hanwha Techwin	**PND-A6081RV**	**0877960**	1920x1080 (1080p)/2MP	120ips	4.38-9.33mm	TDN	120dB	30m	0.007 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	-
IDIS	**DC-D4216RX**	**0873460**	1920x1080 (1080p)/2MP	30ips/ 25ips	2.8mm	TDN	120dB	30m	0.1/0 lux with IR	4	✓	-	1 in/1 out	PoE	White	✓	-
VIVOTEK	**FD9166-HN**	**0863080**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	10m	0.075/0 lux with IR	3	✓	✓	1 in/0 out	PoE	White	✓	✓
INTERNAL STATIC DOMES 3MP/4MP																	
Hanwha Techwin	**QND-7012R**	**0888050**	2560x1440	30ips	2.8mm	TDN	120dB	20m	0.15 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	-
Hanwha Techwin	**XND-C7083RV**	**0897630**	2592x1520	30ips	2.8-10mm	TDN	120dB	20m	0.15 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	-
Hikvision	**iDS-2CD7146G0-IZS(2.8-12mm)**	**0648680**	2560x1440 (4MP)	50ips	2.8-12mm	TDN	140dB	30m	0.0005/0.0001 lux with IR	5	✓	✓	2 in/2 out	PoE, 12VDC	White	-	✓
Paxton	**010-102**	**0877180**	2560x1440/4MP	20ips	2.8mm	TDN	120dB	30m	0.003 lux	2	✓	✓*	-	PoE, 12VDC	White	-	-

***Audio playback functionality not available in Paxton10**

MARKET OPPORTUNITIES – RETAIL & DISTRIBUTION

Covering the Retail industry and exploring ways you can capitalise on your skills as an installer. Find new customers in this sector or increase existing customer spend.

Take a look at the opportunity for a variety of security solutions on the high street and in distribution centres.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	NDAA Compliant	Secure by Default
INTERNAL STATIC DOMES 5MP AND ABOVE																		
	Bosch	**NDV-3503-F03**	**0638800**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	SDN	120dB	-	0.5/0.02 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
	Bosch	**NDV-3503-F02**	**0638810**	2560x2048 (QSXGA)/5.2MP	25ips	2.3mm	SDN	120dB	-	0.5/0.02 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
	Bosch	**NTV-3503-F03L**	**0638840**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	SDN	120dB	15m	0.5/0.02 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
	Bosch	**NTV-3503-F02L**	**0638850**	2560x2048 (QSXGA)/5.2MP	25ips	2.3mm	SDN	120dB	15m	0.5/0.02 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	RAL 9003	-	✓
	Hanwha Techwin	**XND-8020R**	**0217060**	2560x2048 (QSXGA)/5.2MP	30ips	3.7mm	TDN	120dB	30m	0.16/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-8020F**	**0474780**	2560x2048 (QSXGA)/5.2MP	30ips	3.7mm	SDN	-	-	0.16/0.16 lux	10	✓	✓	-	PoE	Ivory	✓	-
	Hanwha Techwin	**XND-8030R**	**0217070**	2560x2048 (QSXGA)/5.2MP	30ips	4.6mm	TDN	120dB	30m	0.16/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-8040R**	**0217080**	2560x2048 (QSXGA)/5.2MP	30ips	7mm	TDN	120dB	30m	0.16/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-8080R**	**0217040**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-9.4mm	TDN	120dB	30m	0.07/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**XND-8080RV**	**0217050**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-9.4mm	TDN	120dB	30m	0.07/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	✓	-
	Hanwha Techwin	**QND-8010R**	**0635260**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	1 in/1 out	PoE	White (RAL9003)	✓	-
	Hanwha Techwin	**QND-8020R**	**0635270**	2560x2048 (QSXGA)/5.2MP	30ips	4mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	1 in/1 out	PoE	White (RAL9003)	✓	-
	Hanwha Techwin	**QND-8030R**	**0635280**	2560x2048 (QSXGA)/5.2MP	30ips	6mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	1 in/1 out	PoE	White (RAL9003)	✓	-
	Hanwha Techwin	**QND-8080R**	**0678680**	2560x2048 (QSXGA)/5.2MP	30ips	3.2-10mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	1 in/1 out	PoE	White (RAL9003)	✓	-
	Hanwha Techwin	**XND-8082RF**	**0808360**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	✓
	Hanwha Techwin	**XND-8082RV**	**0808370**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE	White (RAL9003)	✓	✓
	Hanwha Techwin	**XND-8081REV**	**0640600**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-9.4mm	TDN	120dB	50m	0.07/0 lux (IR on)	10	✓	✓	1 in/1 out	PoE	White (RAL9003)	✓	-
	Hanwha Techwin	**XND-8083RV**	**0897570**	3328x1872 (6MP)	30ips	4.4-9.3mm	TDN	120dB	50m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	✓
	Hanwha Techwin	**XND-8093RV**	**0897580**	3328x1872 (6MP)	30ips	10.9-29mm	TDN	120dB	70m	0.06 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	✓
	Hanwha Techwin	**XND-9083RV**	**0888860**	3328x1872 (6MP)	30ips	4.4-9.3mm	TDN	120dB	50m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	✓
	Hanwha Techwin	**XND-C8083RV**	**0897600**	3328x1872 (6MP)	30ips	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	✓
	Hanwha Techwin	**XND-C9083RV**	**0888850**	3328x1872 (6MP)	30ips	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White	✓	✓
	Hikvision	**DS-2CD2166G2-ISU(2.8mm)(C)**	**0875260**	3200x1800 (6MP)	25ips	2.8 mm	TDN	120dB	30m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	-	✓
	Hikvision	**DS-2CD2186G2-ISU(2.8mm)(C)**	**0871630**	3840x2160 (4K)/8MP	25ips	2.8 mm	TDN	120dB	30m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	-	✓
A	Honeywell	**HC30W45R3**	**0636300**	5MP	30ips	2.8mm	-	120dB	30m	0.03/0 lux	-	✓	-	-	PoE, 12VDC	White	✓	✓
	Honeywell	**HC30W45R2**	**0636310**	5MP	30ips	2.8mm	-	120dB	30m	0.035/0 lux	-	✓	-	-	PoE, 12VDC	White	✓	✓
B	Honeywell	**HC60W35R2**	**0806900**	2560x1920/5MP	60ips	2.7-13.5mm	-	120dB	30m	0.04/0 lux	-	✓	-	-	PoE, 12VDC/24VAC	White	✓	-
	Honeywell	**HC60W35R4**	**0806910**	2560x1920/5MP	60ips	7-22mm	-	120dB	30m	0.04/0 lux	-	✓	-	-	PoE, 12VDC/24VAC	White	✓	-
	VIVOTEK	**FD9182-H(2.8MM)**	**0900260**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	TDN	120dB	-	0.03/0.005 lux	3	✓	✓	-	PoE	White	✓	✓
	VIVOTEK	**FD9187-HT-A**	**0876800**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	TDN	120dB	50m	0.07/0 lux with IR	3	✓	✓	2 in/2 out	PoE, 12-48VDC/24VAC	White	✓	✓
	VIVOTEK	**FD9189-HT-v2**	**0900270**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-10mm	TDN	120dB	30m	0.01/0 lux with IR	3	✓	✓	-	PoE	White	✓	✓
	VIVOTEK	**FD9189-H-v2**	**0900280**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	TDN	120dB	30m	0.01/0 lux with IR	3	✓	✓	-	PoE	White	✓	✓

Honeywell

A HC30W45R3

- 5MP - 2.8mm fixed dome camera
- Honeywell NDAA & Secure by Default
- Wide range of mounting options available
- Works with ADPRO/MaxPro & S30 NVRs
- PoE or 12VDC
- IR to 30m

Honeywell

B HC60W35R2

- 5MP - 2.7-13.5mm internal fixed dome camera
- Honeywell NDAA & Secure by Default
- In-ceiling mounting
- Works with ADPRO/MaxPro & S30 NVRs
- PoE or 12VDC
- IR to 30m

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	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
EXTERNAL STATIC DOMES UP TO 2MP																			
A	Bosch	**NDE-3502-AL**	**0638860**	1920x1080 (1080p)/2MP	30ips	3.2-10mm	TDN	120dB	30m	0.06/0.015 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/IK10+	✓	✓
	Bosch	**NDE-3502-F02**	**0873050**	1920x1080 (1080p)/2MP	30ips	2.3mm	SDN	120dB	-	0.06/0.015 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/IK10	✓	✓
	Bosch	**NDE-3502-F03**	**0873060**	1920x1080 (1080p)/2MP	30ips	2.8mm	SDN	120dB	-	0.06/0.015 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/IK10	✓	✓
	Bosch	**NTE-3502-F02L**	**0873530**	1920x1080 (1080p)/2MP	30ips	2.3mm	SDN	120dB	15m	0.06/0.015 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/IK10	✓	✓
	Bosch	**NTE-3502-F03L**	**0873090**	1920x1080 (1080p)/2MP	30ips	2.8mm	SDN	120dB	15m	0.06/0.015 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/IK10	✓	✓
	Bosch	**NDE-8502-RX**	**0873620**	1920x1080 (1080p)/2MP	60ips	4.4-10mm	SDN	144dB	-	0.0061/0.0178 lux	4	✓	✓	2 in /1 out	PoE, 12VDC, 24VDC	RAL 9003	IP66/IK10+	✓	✓
	Bosch	**NDE-8502-RXT**	**0873630**	1920x1080 (1080p)/2MP	60ips	12-40mm	SDN	144dB	-	0.0061/0.0178 lux	4	✓	✓	2 in /1 out	PoE, 12VDC, 24VDC	RAL 9003	IP66/IK10+	✓	✓
	Bosch	**NDE-8512-R**	**0898270**	1920x1080 (1080p)/2MP	60ips	3-9mm	TDN	146dB	-	0.0104/0.0039 lux	4	✓	✓	2 in /1 out	PoE, 12-48 VDC/24VAC	White (RAL9003)	IP66/IK10	-	✓
	Bosch	**NDE-8512-RXT**	**0899940**	1920x1080 (1080p)/2MP	60ips	12-40mm	TDN	144dB	-	0.0061/0.0007 lux	4	✓	✓	2 in /1 out	PoE, 12-48 VDC/24VAC	White (RAL9003)	IP66/IK10	-	✓

BOSCH
Invented for life

NDE-3502-AL

- 1080p and 5MP resolutions
- Built-in Essential Video Analytics to trigger relevant alerts and quickly retrieve data
- Fully configurable H.265 multi-streaming
- Easy to install with zoom/focus lens
- Built-in IR illuminator with 30m (98ft) viewing distance

The FLEXIDOME IP 3000i IR is built for high quality, 24/7 performance, with a range of reliable surveillance features, including Essential Video Analytics, and is designed for easy installation. The compact and minimalist design provides high installation flexibility and offers various mounting options.

SWITCHES
See pages 70-71

CABLES
See pages 246-248

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Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
EXTERNAL STATIC DOMES UP TO 2MP CONTINUED																		
Hanwha Techwin	**XNV-L6080**	**0847530**	1920x1080 (1080p)/2MP	60ips	3.2-10mm	TDN	120dB	-	0.1/0 lux (IR on)	5	✓	-	-	PoE	Ivory	IP66/IK10	✓	-
Hanwha Techwin	**XNV-L6080R**	**0847540**	1920x1080 (1080p)/2MP	60ips	3.2-10mm	TDN	120dB	30m	0.1/0 lux (IR on)	5	✓	-	-	PoE	Ivory	IP66/IK10	✓	-
Hanwha Techwin	**XNV-6010**	**0810490**	1920x1080 (1080p)/2MP	60ips	2.4mm	TDN	150dB	-	0.055/0.0055 lux	10	✓	✓	1 in /1 out	PoE, 12VDC	Ivory	IP67/IP66/ IK10	✓	-
Hanwha Techwin	**XNV-6020R**	**0810460**	1920x1080 (1080p)/2MP	60ips	4mm	TDN	150dB	30m	0.015/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12VDC	Ivory	IP67/IP66/ IK10	✓	-
Hanwha Techwin	**XNV-6080**	**0810470**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	-	0.015/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6080R**	**0810480**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	50m	0.015/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6011**	**0284270**	1920x1080 (1080p)/2MP	60ips	2.8mm	TDN	150dB	-	0.055/0.0055 lux	10	✓	-	-	PoE	Ivory	IP66/IK10/ NEMA4X	✓	-
Hanwha Techwin	**XNV-6085**	**0825490**	1920x1080 (1080p)/2MP	60ips	4.1-16.4mm	TDN	150dB	-	0.004/0.0004 lux	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6120**	**0818060**	1920x1080 (1080p)/2MP	60ips	5.2-62.4mm	TDN	150dB	-	0.03/0.003 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6120R**	**0283540**	1920x1080 (1080p)/2MP	60ips	5.2-62.4mm	TDN	150dB	70m	0.03/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6081RE**	**0640610**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	150dB	50m	0.015/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE	White (RAL9003)	IP67/IP66/ IP6K9K/IK10+/ NEMA4X	✓	-
Hanwha Techwin	**XNV-6011/MSK**	**0640850**	1920x1080 (1080p)/2MP	60ips	2.8mm	SDN	150dB	-	0.055/0.055 lux	10	✓	-	-	PoE	Ivory	IP66/IK10/ NEMA4X	✓	-
Hikvision	**DS-2CD2326 G2-IU(2.8mm)(C)**	**0886900**	1920x1080 (1080p)/2MP	25ips	2.8mm	TDN	120dB	21-50mm	0.002/0 lux with IR	3	✓	✓	-	PoE, 12VDC	-	IP67	-	✓
IDIS	**DC-D4236WRX-A**	**0886150**	1920x1080 (1080p)/2MP	30ips/ 25ips	2.8-12mm	TDN	120dB	30m	0.1/0 lux with IR	4	✓	-	1 in /1 out	PoE, 12VDC	White	IK10/IP67	✓	-
IDIS	**DC-D4216WRX-A**	**0892370**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	30m	0.1/0 lux with IR	4	✓	-	1 in /1 out	PoE	White	IK10/IP67	✓	✓
EXTERNAL STATIC DOMES UP TO 1080P																		
Bosch	**NDE-8502-R**	**0506120**	1920x1080 (1080p)/2MP	60ips	3-9mm	TDN	146dB	-	0.007/0.0011 lux	4	✓	✓	2 in/1 out	PoE, 12VDC	RAL 9003	IP66/IK10+	✓	✓
Bosch	**NDE-8502-RT**	**0506360**	1920x1080 (1080p)/2MP	60ips	10-23mm	TDN	146dB	-	0.013/0.0031 lux	4	✓	✓	2 in/1 out	PoE, 12VDC	RAL 9003	IP66/IK10	✓	-
Hanwha Techwin	**QNV-6012R**	**0635830**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	20m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-6022R**	**0679740**	1920x1080 (1080p)/2MP	30ips	4mm	TDN	120dB	25m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-6032R**	**0647150**	1920x1080 (1080p)/2MP	30ips	6mm	TDN	120dB	30m	0.1/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-6082R**	**0683190**	1920x1080 (1080p)/2MP	30ips	3.2-10mm	TDN	120dB	30m	0.095/0 lux (IR on)	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**PNV-A6081R**	**0877940**	1920x1080 (1080p)/2MP	30ips	4.38-9.33mm	TDN	120dB	30m	0.007 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-	-
Hanwha Techwin	**XNV-6083R**	**0897640**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	150dB	50m	0.01 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-	-
Hanwha Techwin	**XNV-C6083R**	**0897650**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	150dB	40m	0.01 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	White (RAL9003)	✓	-	-
IDIS	**DC-D4216WRX-A**	**0892370**	1920x1080 (1080p)/2MP	30ips/ 25ips	2.8mm	TDN	120dB	30m	0.1/0 lux with IR	4	✓	-	1 in/1 out	PoE	White	IK10/IP67	✓	-
IDIS	**DC-D4223WRX**	**0862890**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	WDR 120dB	30m	0.1/0 lux (IR LED on)	4	✓	✓	1 in/1 out	PoE, 12VDC	Off White	IP67/IK10	-	✓
IDIS	**DC-D3233HRXL**	**0855170**	1920x1080 (1080p)/2MP	30ips	4.4-10mm	TDN	WDR 120dB	30m	0.1/0 lux (IR LED on)	4	✓	✓	1 in/1 out	PoE, 12VDC	Off White	IP67/IK10	-	✓
Vista	**VK2-2MPXVRDIR 28V12M**	**0338500**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	120dB	25m	0.1/0 lux (IR on)	4	✓	✓	1 in/1 out	PoE, 12VDC	White	IP66/IK10	-	✓
VIVOTEK	**FD9369**	**0960850**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	Digital	30m	0.08/0 lux	2	✓	✓	-	PoE, 12VDC	White	IP66/IK10	✓	✓
VIVOTEK	**FD9366-HV(2.8mm)**	**0876810**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	30m	0.13/0 lux	3	✓	✓	1 in/1 out	PoE	White	IP67/IK10	✓	✓
VIVOTEK	**FD9368-HTV**	**0685950**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	120dB	30m	0.055/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓

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Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
EXTERNAL STATIC DOMES OVER 1080P																		
Bosch	**NDE-3503-AL**	**0638870**	2560x1600 (WQXGA)/4.1MP	25ips	3.2-10mm	TDN	120dB	30m	0.5/0.2 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/ IK10+	✓	✓
Bosch	**NDE-3503-F02**	**0873070**	2560x2048 (QSXGA)/5.2MP	25ips	2.3mm	SDN	120dB	-	0.5/0.2 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9003	IP66/IK10	✓	✓
Bosch	**NDE-3503-F03**	**0873080**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	SDN	120dB	-	0.5/0.2 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9004	IP66/IK10	✓	✓
Bosch	**NTE-3503-F02L**	**0873540**	2560x2048 (QSXGA)/5.2MP	25ips	2.3mm	SDN	120dB	15m	-	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9004	IP66/IK10	✓	✓
Bosch	**NTE-3503-F03L**	**0873100**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	SDN	120dB	15m	-	4	✓	✓	1 in /1 out	PoE, 12VDC	RAL 9004	IP66/IK10	✓	✓
Bosch	**NDE-5503-A**	**0820450**	2560x2048 (QSXGA)/5.2MP	30ips	3-10mm	TDN	120dB	-	0.24/0.03 lux	-	-	-	-	-	-	-	-	-
Bosch	**NDE-5503-AL**	**0820460**	2560x2048 (QSXGA)/5.2MP	30ips	3-10mm	TDN	120dB	30m	0.24/0 lux with IR	4	✓	✓	1 in/1 out	PoE, 12-48VDC/ 24VAC	RAL9003/ RAL9017	IP66/IK10	✓	✓
Bosch	**NDE-8503-R**	**0506370**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-10mm	TDN	120dB	-	0.0509/0.0086 lux	4	✓	✓	1 in/1 out	PoE, 12-48VDC/ 24VAC	RAL9003/ RAL9017	IP66/IK10	✓	✓
Bosch	**NDE-8503-RT**	**0506380**	2560x2048 (QSXGA)/5.2MP	30ips	12-40mm	TDN	120dB	-	0.1222/0.0198 lux	4	✓	✓	2 in/1 out	PoE, 12-48VDC/ 24VAC	RAL9003	IP66, IP6K9K	✓	✓
Bosch	**NDE-8504-R**	**0508650**	3840x2160 (4K)/8MP	30ips	3.9-10mm	TDN	120dB	-	0.054/0.0098 lux	4	✓	✓	2 in/1 out	PoE, 12-48VDC/ 24VAC	RAL9003	IP66, IP6K9K	✓	✓
Bosch	**NDE-8503-RX**	**0873640**	2560x1600 (WQXGA)/4.1MP	60ips	3.9-10mm	TDN	144dB	-	-	4	✓	✓	2 in/1 out	PoE, 12-48VDC/ 24VAC	RAL9003	IP66, IP6K9K	✓	✓
Bosch	**NDE-8503-RXT**	**0873650**	2560x1600 (WQXGA)/4.1MP	60ips	12-40mm	TDN	144dB	-	-	4	✓	✓	2 in/1 out	PoE, 12-48VDC/ 24VAC	RAL9003	IP66, IP6K9K	✓	✓
Bosch	**NDE-8513-RX**	**0899950**	2560x1600 (WQXGA)/4.1MP	60ips	4.4-10mm	TDN	141dB	-	0.0509/0.0008 lux	4	✓	✓	2 in /1 out	PoE, 12-48VDC/ 24VAC	White (RAL9003)	IP66/IK10	-	✓
Bosch	**NDE-8513-RT**	**0899910**	2560x1600 (WQXGA)/4.1MP	60ips	12-40mm	TDN	120dB	-	0.0078/0.0086 lux	4	✓	✓	2 in /1 out	PoE, 12-48VDC/ 24VAC	White (RAL9003)	IP66/IK10	-	✓
Bosch	**NDE-8514-R**	**0899920**	3840x2160 (4K)/8MP	30ips	3.9-10mm	TDN	120dB	-	0.054/0.0098 lux	4	✓	✓	2 in /1 out	PoE, 12-48VDC/ 24VAC	White (RAL9003)	IP66/IK10	-	✓
Bosch	**NDE-8514-RT**	**0899930**	3840x2160 (4K)/8MP	30ips	12-40mm	TDN	120dB	-	0.1251/0.02 lux	4	✓	✓	2 in /1 out	PoE, 12-48VDC/ 24VAC	White (RAL9003)	IP66/IK10	-	✓
Bosch	**NDE-7604-AL**	**0899960**	3840x2160 (4K)/8MP	30ips	3.6-10mm	TDN	87dB	40m	0.189/0 lux with IR	4	✓	✓	1 in /2 out	PoE, 24VAC	White (RAL9003)	IP66/IK10	✓	✓
Hanwha Techwin	**XNV-8020R**	**0217100**	2560x2048 (QSXGA)/5.2MP	30ips	3.7mm	TDN	120dB	30m	0.16/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12VDC	Ivory	IP67/IP66/ IK10	✓	-
Hanwha Techwin	**XNV-8030R**	**0218150**	2560x2048 (QSXGA)/5.2MP	30ips	4.6mm	TDN	120dB	30m	0.16/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12VDC	Ivory	IP67/IP66/ IK10	✓	-
Hanwha Techwin	**XNV-8040R**	**0218160**	2560x2048 (QSXGA)/5.2MP	30ips	7mm	TDN	120dB	30m	0.16/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12VDC	Ivory	IP67/IP66/ IK10	✓	-
Hanwha Techwin	**XNV-8080R**	**0217090**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-9.4mm	TDN	120dB	50m	0.07/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/ NEMA4X	✓	-
Hanwha Techwin	**XNV-8080RSA**	**0880310**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-9.4mm	TDN	120dB	50m	0.07/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	Ivory	IP67/IP66/ IK10/ NEMA4X	✓	-
Hanwha Techwin	**QNV-7012R**	**0888350**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	20m	0.1/0 lux (IR on)	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-7022R**	**0888360**	2560x1600 (WQXGA)/4.1MP	30ips	4mm	TDN	120dB	25m	0.1/0 lux (IR on)	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-7082R**	**0887620**	2560x1600 (WQXGA)/4.1MP	30ips	3.2-10mm	TDN	120dB	30m	0.095/0 lux (IR on)	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-8010R**	**0680350**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	1 in /1 out	PoE	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-8020R**	**0647160**	2560x2048 (QSXGA)/5.2MP	30ips	4mm	TDN	120dB	25m	0.15/0 lux (IR on)	3	✓	-	1 in /1 out	PoE	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNV-8080R**	**0647180**	2560x2048 (QSXGA)/5.2MP	30ips	3.2-10mm	TDN	120dB	25m	0.15/0 lux (IR on)	3	✓	-	1 in /1 out	PoE	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNE-8011R**	**0635290**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	-	PoE	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**QNE-8021R**	**0635230**	2560x2048 (QSXGA)/5.2MP	30ips	4mm	TDN	120dB	20m	0.15/0 lux (IR on)	3	✓	-	-	PoE	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-8083R**	**0897560**	2560x1600 (WQXGA)/4.1MP	30ips	4.4-9.3mm	TDN	120dB	50m	0.04 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-8093R**	**0897550**	2560x1600 (WQXGA)/4.1MP	30ips	10.9-29mm	TDN	120dB	70m	0.06 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-9083R**	**0892720**	2560x1600 (WQXGA)/4.1MP	60ips	2.8-10mm	TDN	120dB	40m	0.038 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-C7083R**	**0897620**	2560x1600 (WQXGA)/4.1MP	30ips	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-C8083R**	**0897590**	2560x1600 (WQXGA)/4.1MP	30ips	4.4-9.3mm	TDN	120dB	50m	0.04 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-C9083R**	**0897510**	2560x1600 (WQXGA)/4.1MP	30ips	4.4-9.3mm	TDN	120dB	50m	0.04 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hanwha Techwin	**XNV-8082R**	**0808350**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-8.4mm	TDN	120dB	40m	0.05/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE, 12/24V	White (RAL9003)	IP67/IP66/ IP6K9K/ IK10+/ NEMA4X	✓	✓

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Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (fps)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
EXTERNAL STATIC DOMES OVER 1080P CONTINUED																		
Hanwha Techwin	**XNV-8081RE**	**0640620**	2560x2048 (QSXGA)/5.2MP	30ips	3.9-9.4mm	TDN	120dB	50m	0.07/0 lux (IR on)	10	✓	✓	1 in /1 out	PoE	White (RAL9003)	IP67/IP66/ IP6K9K/ IK10+/ NEMA4X	✓	-
Hanwha Techwin	**PNV-A9081RLP**	**0885460**	3840x2160 (4K)/8MP	30ips	4.5-10mm	TDN	120dB	30m	0.05 lux	-	✓	✓	1 in /1 out	PoE, 12VDC	White (RAL9003)	IP66/IK10	✓	-
Hikvision	**DS-2CD2146G2-ISU(2.8mm)(C)**	**0867470**	2688x1520 (4MP)	25ips	2.8mm	TDN	120dB	30m	0.003/0 lux with IR	3	✓	✓	1 in /1 out	PoE, 12VDC	White	IP67/IK10	-	✓
Hikvision	**DS-2CD2746G2-IZS(2.8-12mm)(C)**	**0871520**	2688x1520 (4MP)	25ips	2.8-12mm	TDN	120dB	40m	0.003/0 lux with IR	3	✓	✓	1 in /1 out	PoE, 12VDC	White	IP66/IK10	-	✓
Hikvision	**iDS-2CD7546G0-IZHS(2.8-12mm)(C)**	**0884480**	2560x1440 (4MP)	25ips	2.8-12mm	TDN	140dB	30m	0.0003/0.0001/ 0 lux with IR	5+	✓	✓	1 in /1 out	PoE, 12/24V	White	IP67/IK10	-	✓
Hikvision	**DS-2XE6146F-HS(2.8mm)(C)**	**0900700**	2688x1520 (4MP)	25ips	2.8mm	TDN	120dB	21-50mm	0.003 lux	3	✓	✓	1 in /1 out	PoE, 12VDC	-	IP68	-	✓
Hikvision	**DS-2CD2546G2-IWS(2.8mm)(C)**	**0892180**	2688x1520 (4MP)	25ips	2.8mm	TDN	120dB	30mm	0.003/0 lux with IR	3	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD2347G2-LSU/SL(2.8mm)(C)**	**0876110**	2688x1520 (4MP)	25ips	2.8mm	TDN	120dB	21-50mm	0.0005/0 lux with White Light	3	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3347G2-LSU(2.8mm)**	**0886320**	2688x1520 (4MP)	25ips	2.8mm	TDN	130dB	21-50mm	0.0005/0 lux with White Light	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3156G2-ISU(2.8mm)**	**0886240**	2592X1944 (5MP)	25ips	2.8mm	TDN	120dB	40mm	0.003/0 lux with IR	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67/IK10	-	✓
Hikvision	**DS-2CD3356G2-ISU(2.8mm)**	**0886300**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3756G2-IZS(2.7-13.5mm)**	**0886310**	2560x2048 (QSXGA)/5.2MP	25ips	2.7-13.5mm	TDN	120dB	40mm	0.003/0 lux with IR	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD2366G2-IU(2.8mm)(C)**	**0875280**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	3	✓	✓	-	PoE, 12VDC	-	IP67/IK10	-	✓
Hikvision	**DS-2CD2566G2-IS(2.8mm)(C)**	**0900640**	2560x2048 (QSXGA)/5.2MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	3	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD2386G2-ISU/SL(2.8mm)(C)**	**0871550**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	3	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD2386G2-IU(2.8mm)(C)**	**0871480**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	3	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD2387G2-LU(2.8mm)(C)**	**0880900**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	130dB	21-50mm	0.0005 lux	3	✓	✓	-	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3186G2-ISU(2.8mm)**	**0886270**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	4	✓	✓	-	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3386G2-ISU(2.8mm)**	**0886330**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	21-50mm	0.003/0 lux with IR	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3387G2-LSU(2.8mm)**	**0886350**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	21-50mm	0.0005 lux	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓
Hikvision	**DS-2CD3786G2-IZS(2.7-13.5mm)**	**0886340**	3840x2160 (4K)/8MP	25ips	2.7-13.5mm	TDN	120dB	40mm	0.003/0 lux with IR	4	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67/IK10	-	✓
Hikvision	**iDS-2CD7586G0-IZHS(2.8-12mm)**	**0852480**	3840x2160 (4K)/8MP	25ips	2.8-12mm	TDN	120dB	21-50mm	0.002/0.0002/0 lux with IR	5	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67/IK10	-	✓
Hikvision	**iDS-2CD7586G0-IZHS(2.8-12mm)(C)**	**0886430**	3840x2160 (4K)/8MP	25ips	2.8-12 mm	TDN	120dB	30mm	0.002/0.0002/0 lux with IR	5	✓	✓	1 in /1 out	PoE, 12VDC	-	IP67	-	✓

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NORBAIN BASICS – CAMERA PLACEMENT

What factors should you take into account when deciding the placement of video surveillance security cameras? And when might you need to think about an alternative solution?

This Norbain Basics video covers Camera Placement and looks at heights, angles and positioning, as well as alternative scenarios.

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	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
EXTERNAL STATIC DOMES OVER 1080P CONTINUED																			
A	Honeywell	**HC60W45R2**	**0806920**	2560x1920/5MP	30ips	2.7-13.5mm	-	120dB	50m	0.04/0 lux	-	✓	-	-	PoE, 12VDC/ 24VAC	White	IP66/IP67/ NEMA4X	✓	✓
	Honeywell	**HC60W45R4**	**0806930**	2560x1920/5MP	60ips	7-22mm	-	120dB	50m	0.04/0 lux	-	✓	-	-	PoE, 12VDC/ 24VAC	White	IP66/IP67/ NEMA4X	✓	✓
	Honeywell	**HC35W43R3**	**0900190**	2048x1536 (QXGA)/3.1MP	30ips	2.8mm	SDN	120dB	40m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35W43R2**	**0900200**	2048x1536 (QXGA)/3.1MP	30ips	2.7-13.5mm	SDN	120dB	40m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35W45R3**	**0900040**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	SDN	120dB	40m	0.005/0 lux	3	✓	✓	1 in /1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35W45R2**	**0900050**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	SDN	120dB	40m	0.005/0 lux	3	✓	✓	1 in /1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
B	Honeywell	**HC35W25R3**	**0900100**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	SDN	120dB	30m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35W48R3**	**0900110**	3840x2160 (4K)/8MP	30ips	2.8mm	SDN	120dB	40m	0.007/0 lux	3	✓	✓	1 in /1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
C	Honeywell	**HC35W48R2**	**0900120**	3840x2160 (4K)/8MP	30ips	2.7-13.5mm	SDN	120dB	40m	0.007/0 lux	3	✓	✓	1 in /1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC30W25R3**	**0895120**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	SDN	120dB	20m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	Honeywell White	IP67/IK10	✓	✓
	IDIS	**DC-D4536HRX-A**	**0896780**	2592x1944/5MP	30ips	3-13.5mm	TDN	120dB	30m	0.15/0 lux with IR	4	✓	-	1 in /1 out	PoE, 12VDC	White	IP67/IK10	✓	-
	IDIS	**DC-D4831HRX-A**	**0900500**	3840x2160 (4K)/8MP	30ips	2.7-13.5mm	TDN	120dB	40m	0.38/0 lux with IR	4	✓	-	1 in /1 out	PoE, 12VDC	White	IP67/IK10	✓	-
	Paxton	**010-102**	**0877180**	2560x1440/ 4MP	20ips	2.8mm	TDN	120dB	30m	0.003 lux	2	✓	✓*	-	PoE, 12VDC	White	IP67/IK10	-	-
	VIVOTEK	**FD9380-H**	**0683830**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	TDN	120dB	50m	0.075/0 lux with IR	3	✓	✓	2 in /2 out	PoE, 12/24V	White	IP67/IK10	✓	✓
	VIVOTEK	**FD9380-H(2.8MM)**	**0900290**	2560x2048 (QSXGA)/5.2MP	20ips	2.8mm	TDN	120dB	30m	0.005/0 lux with IR	3	✓	-	-	PoE	White	IP66/IK10	✓	✓
	VIVOTEK	**FD9387-EHTV-A**	**0876820**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	TDN	120dB	50m	0.075/0 lux with IR	3	✓	✓	2 in /2 out	PoE, 12/24V	White	IP67/IK10	✓	✓
	VIVOTEK	**FD9387-HTV-A**	**0876830**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	TDN	120dB	50m	0.075/0 lux with IR	3	✓	✓	2 in /2 out	PoE, 12/24V	White	IP67/IK10	✓	✓
	VIVOTEK	**FD9388-HTV**	**0685960**	2560x2048 (QSXGA)/5.2MP	20ips	2.8-12mm	TDN	120dB	50m	0.035/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓
	VIVOTEK	**FD9389-EHTV-v2**	**0900300**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-10mm	TDN	120dB	30m	0.01/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓
	VIVOTEK	**FD9389-EHV-v2**	**0900310**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	TDN	120dB	30m	0.01/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓

***Audio playback functionality not available in Paxton10**

Honeywell

A HC60W45R2

- 5MP 2.7-13.5mm fixed dome camera
- Honeywell NDAA & Secure by Default
- Works with ADPRO/MaxPro & S30 NVRs
- PoE or 12VDC or 24VAC
- WDR 120dB
- IR to 40m

Honeywell

B HC35W25R3

- 5MP - 2.8mm Micro dome camera
- Honeywell NDAA & Secure by Default
- Built-in Analytics (People Count, Smart Motion, Loiter)
- Works with ADPRO/MaxPro & S35 NVRs
- PoE or 12VDC
- WDR 120dB
- IR to 30m

Honeywell

C HC35W48R2

- 8MP 2.7-13.5mm fixed dome camera
- Honeywell NDAA & Secure by Default
- Works with ADPRO/MaxPro & S35 NVRs
- PoE or 12VDC
- WDR 120dB
- IR to 50m

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Hanwha Techwin

WISENET

1 CAMERA
16 SPACES

AI PARKING GUIDANCE CAMERAS CAMERAS THAT CAN MONITOR UP TO 16 PARKING SPACES

- 1 camera monitors up to 16 spaces
- Easy to set up and serverless solution
- Various LED colours & single/split mode display options
- Emergency alerts via integrated alarm & audio I/O
- 360 degrees with onboard dewarping

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	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
EXTERNAL EYEBALL IR DOMES																			
	Hikvision	**DS-2CD2H46G2-IZS(2.8-12mm)(C)**	**0875430**	2688x1520/4MP	25ips	2.8-12mm	TDN	120dB	40m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	White	IP66/IK10	-	✓
	Hikvision	**DS-2CD2346G2-ISU/SL(2.8mm)(C)**	**0867890**	2688x1520/4MP	25ips	2.8mm	TDN	120dB	30m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	White	IP67	-	✓
	Hikvision	**DS-2CD2346G2-IU(2.8mm)(C)**	**0867940**	2688x1520/4MP	25ips	2.8mm	TDN	120dB	30m	0.003/0 lux with IR	3	✓	✓	-	PoE, 12VDC	White	IP67	-	✓
	Hikvision	**DS-2CD2347G2-LU(2.8mm)(C)**	**0867960**	2688x1520/4MP	25ips	2.8mm	TDN	130dB	30m	0.0005/0 lux with IR	3	✓	✓	-	PoE, 12VDC	White	IP67	-	✓
	Honeywell	**HC30WE2R3**	**0636350**	1920x1080 (1080p)/2MP	30ips	2.8mm	-	120dB	50m	0.065/0 lux	-	✓	-	-	PoE, 12VDC	White	IP66	✓	✓
	Honeywell	**HC30WE5R3**	**0636360**	2560x1920/5MP	30ips	2.8mm	-	120dB	50m	0.03/0 lux	-	✓	-	-	PoE, 12VDC	White	IP66	✓	✓
	Honeywell	**HC30WE5R2**	**0636370**	2560x1920/5MP	30ips	2.8-12mm	-	120dB	50m	0.035/0 lux	-	✓	-	-	PoE, 12VDC	White	IP67	✓	✓
A	Honeywell	**HC30WF5R1**	**0636380**	2560x1920/5MP	30ips	1.16mm	-	120dB	20m	0.05/0 lux	-	✓	-	-	PoE, 12VDC	White	IP68	✓	✓
	Honeywell	**HC35WE3R3**	**0900020**	2048x1536 (QXGA)/3.1MP	30ips	2.8mm	SDN	120dB	50m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35WE3R2**	**0900030**	2048x1536 (QXGA)/3.1MP	30ips	2.7-13.5mm	SDN	120dB	50m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35WE5R3**	**0900080**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	SDN	120dB	50m	0.005/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35WE5R2**	**0900090**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	SDN	120dB	50m	0.005 /0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35WE8R3**	**0900150**	3840x2160 (4K)/8MP	30ips	2.8mm	SDN	120dB	50m	0.007/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
	Honeywell	**HC35WE8R2**	**0900160**	3840x2160 (4K)/8MP	30ips	2.7-13.5mm	SDN	120dB	50m	0.007/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	Signal White (RAL9003)	IP67/IK10	✓	✓
B	Paxton	**010-705**	**0877190**	2560x1440/4MP	20ips	2.8mm	TDN	120dB	30m	0.003 lux	2	✓	✓	-	PoE, 12VDC	White	IP67	-	-
	Paxton	**010-480**	**0877210**	3840x2160 (4K)/8MP	20ips	2.8mm	TDN	120dB	30m	0.003 lux	2	✓	✓	-	PoE, 12VDC	White	IP67	-	-
C	Vista	**VLI-4ED28V12IRS**	**0871800**	2560x1440/4MP	30ips	2.8-12mm	TDN	DWDR	30m	0.011/0 lux (IR on)	3	✓	✓	-	PoE, 12VDC	White	IP67	✓	-
	VIVOTEK	**IT9360-H(2.8mm)**	**0876900**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	120dB	30m	0.065/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓
	VIVOTEK	**IT9380-H(2.8mm)**	**0876910**	2560x2048 (QSXGA)/5.2MP	20ips	2.8mm	TDN	120dB	30m	0.03/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓
	VIVOTEK	**IT9388-HT**	**0880350**	2560x2048 (QSXGA)/5.2MP	20ips	2.8-12mm	TDN	120dB	30m	0.035/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓
CORNER MOUNT VANDAL RESISTANT CAMERA																			
	Bosch	**NCN-90022-F1**	**0696180**	1920x1080 (1080p)/2MP	30ips	2mm	TDN	76dB	10m	0.61/0 lux	4	✓	✓	1 in/ 1 out	PoE, 12VDC	RAL 9003	IP65/IK10	✓	✓

HONEYWELL 35 SERIES IP SECURITY CAMERAS

Amp up the security of your premises with intelligent video surveillance from the Honeywell 35 Series: Cameras made especially for small-to-medium sized businesses and sites.

Our most cost-effective cameras use built-in AI analytics to give you a smart set of extra eyes at all hours.

The 35 Series is available in a wide range of form factors and resolutions, offering exceptional visual clarity, flexible system integration, secure data transmission, and easy installation.

5 YEAR WARRANTY

SECURE BY DEFAULT

ONVIF S G T

Superior HD image quality up to 8MP

Flexible surveillance

Onboard video storage

Smart motion detection and analytics

Easy to install and use

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
MOBILE APPLICATION RUGGED DOMES																		
Hanwha Techwin	**QNV-6023R**	**0650000**	1920x1080 (1080p)/2MP	30ips	3.6mm	TDN	120dB	15m	0.03/0 lux (IR on)	3	✓	✓	-	PoE	Ivory	IP66/IK10/NEMA4X	✓	-
Hanwha Techwin	**QNV-6024RM**	**0647140**	1920x1080 (1080p)/2MP	30ips	3.6mm	TDN	120dB	15m	0.03/0 lux (IR on)	3	✓	✓	-	PoE	Ivory	IP66/IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6013M**	**0847560**	1920x1080 (1080p)/2MP	60ips	2.8mm	TDN	150dB	-	0.04/0.04 lux	10	✓	✓	-	PoE	Ivory	IP66/IP6K9K/IL10/ NEMA4X	✓	-
Hanwha Techwin	**XNV-6012M**	**0847570**	1920x1080 (1080p)/2MP	60ips	2.4mm	TDN	150dB	-	0.04/0.04 lux	10	✓	✓	-	PoE	Ivory	IP66/IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6012**	**0847550**	1920x1080 (1080p)/2MP	60ips	2.4mm	TDN	150dB	-	0.04/0.04 lux	10	✓	✓	-	PoE	Ivory	IP66/IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6022R**	**0847580**	1920x1080 (1080p)/2MP	60ips	3.6mm	TDN	150dB	15m	0.04/0 lux (IR on)	10	✓	✓	-	PoE	Ivory	IP66/IK10/NEMA4X	✓	-
Hanwha Techwin	**XNV-6022RM**	**0847590**	1920x1080 (1080p)/2MP	60ips	3.6mm	TDN	150dB	15m	0.04/0 lux (IR on)	10	✓	✓	-	PoE	Ivory	IP66/IK10/NEMA4X	✓	-

Honeywell

A HC30WF5R1

- 5MP WDR Fisheye
- Built-in microphone
- Dewarp images in both MaxPro and S30/S35 NVRs
- PoE or 12VDC
- Honeywell NDAA & Secure by Default

Paxton

B 010-705

- Cost-effective turret camera
- 4MP industry standard resolution
- 64GB on camera storage included as standard
- IP67 rated for external use
- Industry leading low light performance (0.003 lux)

C

vista

VLI-4ED28V12IRS

- 4MP eyeball/turret
- 30m IR illumination
- 2.8-12mm motorised lens
- IP67 ingress protection
- H.264/H.265 triple streaming
- NDAA compliant

The VLI-4ED28V12IRS 4MP IP67 eyeball dome packs plenty of features and functionality into its robust but aesthetically designed housing. The dome can deliver up to 3 streams in multiple formats including H.264, whilst the latest H.265 technology reduces the levels of bandwidth and storage required by the recording solution. Along with integrated motorised lens, IR illumination, MicroSD card and PoE, the camera has ROI coding function. This function allows the camera to continually analyse the scene, adding more compression to areas of low interest with no motion whilst applying lower levels of compression to areas where motion is present, as a result showing higher definition in these areas. This means that lower bandwidth is required for transmission and less storage is required on the NVR.

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Hanwha Techwin

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Smart and Convenient

Network Intercom Station

TID-600R

- Small and slim form factor
- Full duplex two-way communication
- Best-in-class images with 2MP sensor and WDR
- 16.4ft (5m) IR viewable length
- Wide FoV - HFoV 180°, VFoV 114°
- Touchless call
- SIP 2.0 support

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Manufacturer	Part No.	Quick Ref.	360°/Panoramic	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
360° AND PANORAMIC UP TO 3MP																			
Hanwha Techwin	**TID-600R**	**0887120**	Intecom	1920x1080 (1080p)/2MP	60ips	1.6mm	CM	True WDR	5m	0.018 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Dark grey/ Aluminium	IP65/IK08/ NEMA4X	✓	-
360° AND PANORAMIC DOMES UP TO 5MP																			
Hanwha Techwin	**XNF-8010R**	**0338620**	Fisheye	2048x2048 /4.2MP	30ips	1.6mm	CM	True WDR	15m	0.1/0 lux (IR LED on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	-	-	-
Hanwha Techwin	**XNF-8010RV**	**0338630**	Fisheye	2048x2048 /4.2MP	30ips	1.6mm	CM	True WDR	15m	0.1/0 lux (IR LED on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	IP66/IK10	-	-
Hanwha Techwin	**XNF-8010RVM**	**0338660**	Fisheye	2048x2048 /4.2MP	30ips	1.6mm	CM	True WDR	15m	0.39/0 lux (IR LED on)	10	✓	✓	1 in/1 out	PoE, 12VDC	Ivory	IP66/IK10	-	-
Hanwha Techwin	**QNF-8010**	**0638010**	Fisheye	2048x2048 /4.2MP	30ips	1.14mm	SDN	True WDR	-	0.2 lux	3	✓	-	-	PoE	White	-	-	-
Hanwha Techwin	**QNF-9010**	**0686330**	Fisheye	2048x2048 /4.2MP	30ips	1.08mm	SDN	True WDR	-	0.39 lux	3	✓	-	-	PoE	White	-	-	-
VIVOTEK	**CC9381-HV**	**0575340**	180° Panoramic	2560x2048 (QSXGA)/5.2MP	30ips	1.45mm	TDN	120dB	15m	0.11/0 lux with IR	3	✓	✓	-	PoE	White	IP66/IK10	✓	✓
VIVOTEK	**FE9180-H**	**0851650**	360° Fisheye	1920x1920 /3.7MP	15ips	1.16mm	TDN	120dB	-	0.13/0 lux with IR	4	✓	✓	-	PoE	White	-	-	✓
VIVOTEK	**FE9380-HV**	**0876840**	360° Fisheye	1920x1920 /3.7MP	30ips	1.16mm	TDN	120dB	10m	0.05/0 lux with IR	4	✓	-	-	PoE	White	IP66/IK10	✓	✓
360° AND PANORAMIC DOMES OVER 5MP																			
Bosch	**NDS-6004-F360E**	**0681490**	360° Fisheye	4000x3000 /12MP	30ips	1.6mm	TDN	92dB	-	0.55/0.18 lux	4	✓	-	-	PoE	RAL 9003	IP66/IK10	✓	✓
Bosch	**NDS-5703-F360**	**0883680**	360° Panoramic	2560x1600 (WQXGA)/ 4.1MP	30ips	1.155mm	TDN	120dB	-	0.099/0.008 lux	3	✓	✓	-	PoE	White (RAL9003)	IK08	-	✓
Bosch	**NDS-5703-F360LE**	**0883700**	360° Panoramic	2560x1600 (WQXGA)/ 4.1MP	30ips	1.155mm	TDN	120dB	20m	0.099/0 lux with IR	3	✓	✓	-	PoE, 12-48VDC/ 24VAC	White (RAL9003)	IP66/IK10	-	✓
Bosch	**NDS-5704-F360**	**0883690**	360° Panoramic	3840x2160 (4K)/8MP	30ips	1.26mm	TDN	120dB	-	0.150/0.048 lux	3	✓	✓	-	PoE	White (RAL9003)	IK08	-	✓
Bosch	**NDS-5704-F360LE**	**0883710**	360° Panoramic	3840x2160 (4K)/8MP	30ips	1.26mm	TDN	120dB	20m	0.150/0 lux with IR	3	✓	✓	-	PoE, 12-48VDC/ 24VAC	White (RAL9003)	IP66/IK10	-	✓
Hanwha Techwin	**TNF-9010**	**0884260**	Fisheye	4000x3000 /12MP	30ips	1.08mm	CM	True WDR	-	0.39 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	White/ Aluminum	-	✓	-
Hanwha Techwin	**XNF-9010RS**	**0900600**	Fisheye	4000x3000 /12MP	30ips	1.08mm	CM	True WDR	-	0.39 lux	10	✓	✓	1 in/1 out	PoE, 12VDC	Silver/ Stainless (SUS316L), Nylon dome bubble	IP66/IP67/ IP6K9K/NE-MA4X/IK10, IK10+	✓	-
Hikvision	**DS-2CD6365G0-IS(1.27mm)(B)**	**0891790**	360° Panoramic	3072x2048 /6MP	25ips	1.27mm	TDN	DWDR	15m	0.047/0.0047 /0 lux with IR	2	✓	✓	1 in/1 out	PoE, 12VDC	-	-	-	✓
Hikvision	**DS-2CD63C5G0-IVS(1.29mm)(B)**	**0891810**	360° Panoramic	4000x3000 /12MP	20ips	1.29 mm	TDN	DWDR	15m	0.05/0.01/0 lux with IR	2	✓	✓	1 in/1 out	PoE, 12VDC	-	IP67/IK10	-	✓
IDIS	**DC-Y6516WRX-A**	**0879400**	360° Panoramic	2560x2048 /5MP	30ips	1.5mm	TDN	WDR 120dB	20m	0.15/0 lux (IR LED on)	4	✓	-	1 in/1 out	PoE, 12VDC	Off White	IP67/IK10	✓	✓
IDIS	**DC-Y6C16WRX-A**	**0873730**	360° Panoramic	4000x3000 /12MP	30ips	1.6mm	TDN	WDR 120dB	10m	0.3/0 lux (IR LED on)	4	✓	-	1 in/1 out	PoE, 12VDC	Off White	IP67/IK10	✓	✓
VIVOTEK	**FE9382-EHV-v2**	**0876850**	360° Fisheye	2560x2048 (QSXGA)/ 5.2MP	30ips	1.245mm	TDN	120dB	20m	0.065/0 with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	White	IP66/IK10	✓	✓
VIVOTEK	**FE9192-H**	**0887800**	360° Fisheye	4000x3000 /12MP	30ips	1.22mm	TDN	120dB	-	0.1/0.005 lux	3	✓	✓	-	PoE	White	-	✓	✓
VIVOTEK	**FE9391-EHV-v2**	**0896420**	360° Fisheye	4000x3000 /12MP	30ips	1.22mm	TDN	120dB	20m	0.005/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	White	IP66/IK10	✓	✓

POCKET-SIZE BUZZ – AI & DEEP LEARNING

Let Buzz take you through how artificial intelligence (or deep learning) and the growth of video analytics is being used in security solutions to enhance a businesses' protection, enabling employees to work smarter, and systems to work harder.

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Manufacturer	Part No.	Quick Ref.	360°/Panoramic	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	Case Colour	IP/IK Rating	NDAA Compliant	Secure by Default
MULTI SENSOR DOMES																			
Bosch	**NDM-7702-A**	**0873580**	360°	4000x3000 /12MP	30ips	3.7-7.7m	SDN	120dB	-	0.091/ 0.012 lux	16	✓	✓	1 in/1 out	PoE+	RAL 9003	IP66/ IK10	✓	✓
A Bosch	**NDM-7703-A**	**0873590**	360°	10240x1920 /20MP	30ips	3.7-7.7m	SDN	120dB	-	0.091/ 0.012 lux	16	✓	✓	1 in/1 out	PoE+	RAL 9003	IP66/ IK10	✓	✓
Bosch	**NDM-7702-AL**	**0873600**	360°	4000x3000 /12MP	30ips	3.7-7.7m	SDN	120dB	30m	0.091/ 0.012 lux	16	✓	✓	1 in/1 out	PoE+	RAL 9003	IP66/ IK10	✓	✓
Bosch	**NDM-7703-AL**	**0873610**	360°	10240x1920 /20MP	30ips	3.7-7.7m	SDN	120dB	30m	0.091/ 0.012 lux	16	✓	✓	1 in/1 out	PoE+	RAL 9003	IP66/ IK10	✓	✓
Hanwha Techwin	**PNM-9002VQ**	**0874020**	Quad lens	10240x1920 /20MP	Optional lens	Optional	SDN	True WDR	-	-	10	✓	-	1 in/1 out	PoE+	Ivory	IP66/ IK10	-	-
Hanwha Techwin	**PNM-9000QB**	**0863470**	Up to 4 lenses	3840x2160 (4K)/8MP	30ips	Optional	SDN	True WDR	-	0.3/0.6 lux	10	✓	-	1 in/1 out	PoE+, 12VDC	White	IP66/ IK10	✓	✓
Hanwha Techwin	**PNM-9322VQP**	**0862830**	Quad lens + PTZ	10240x1920 /20MP	Optional lens	4.44-142.6mm	CM	True WDR	-	0.07/ 0.007 lux	10	✓	✓	1 in/1 out	PoE+	White	IP66/ IK10	-	-
Hanwha Techwin	**PNM-9084RQZ**	**0686300**	Quad lens	3840x2160 (4K)/8MP	60ips	3.2-10m	CM	True WDR	-	0.05/0 lux (IR LED on)	10	✓	✓	1 in/1 out	PoE+, 12VDC	White	IP66/ IK10	-	-
Hanwha Techwin	**PNM-9084QZ**	**0686290**	Quad lens	10240x1920 /20MP	30ips	3.2-10m	CM	True WDR	-	0.04/ 0.004 lux	10	✓	✓	1 in/1 out	PoE+, 12VDC	White	IP66/ IK10	-	-
Hanwha Techwin	**PNM-9085RQZ**	**0686310**	Quad lens	10240x1920 /20MP	30ips	4.1-9.4mm	CM	True WDR	-	0.11/0 lux (IR LED on)	10	✓	✓	1 in/1 out	PoE+, 12VDC	White	IP66/ IK10	-	-
Hanwha Techwin	**PNM-C12083RVD**	**0901860**	-	3328x1872	15ips	0.16/0 lux (IR LED on)	-	120dB	25m	0.16 lux	-	✓	Audio in via optional SPM-4210 I/O box	Support Alarm via optional SPM-4210 I/O box	PoE+: Max 21W, typical 16.5W	White/ Aluminum	-	✓	✓
Hanwha Techwin	**PNM-C7083RVD**	**0901870**	-	1920x1080	30ips	0.035/0 lux (IR LED on)	-	120dB	25m	0.035 lux	-	✓	Audio in via optional SPM-4210 I/O box	Support Alarm via optional SPM-4210 I/O box	PoE+: Max 21W, typical 16.5W	White/ Aluminum	-	✓	✓
Hikvision	**DS-2CD6D52G0-IHS(2.8mm)**	**0644390**	Dual directional	2560x1920/ 5MP	25ips	2.8-6mm	TDN	120dB	10m	0.009/ 0.0018/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	IP67/ IK10	-	✓
Hikvision	**DS-2CD6D54FWD-IZHS**	**0757940**	360° Panoramic	2560x1920/ 5MP	25ips	2.8-12mm	TDN	120dB	10-30m	0.006/0.010/ 0.002/0.003/0 lux with IR on	3	✓	✓	2 in/2 out	PoE, 12VDC	-	IP67/ IK10	-	✓
Hikvision	**DS-2CD6D54G1-IZS**	**0679880**	360° Panoramic	2560x1920/ 5MP	25ips	2.8-8mm	TDN	120dB	30m	0.0125/ 0.0025/0 lux with IR	3	✓	✓	2 in/2 out	PoE, 12VDC	-	IP67/ IK10	-	✓
VIVOTEK	**MS9390-HV**	**0851680**	180° Panoramic	3840x2160 (4K)/8MP	30ips	2.8mm	TDN	120dB	20m	0.05/0 lux with IR	4	✓	✓	-	PoE	White	IP66/ IK10	-	✓

BOSCH
Invented for life

A NDM-7703-A

- Four 5MP images at 30ips in one camera on a single IP address
- Easy and flexible installation with four motorised zoom/focus lenses
- High Dynamic Range (HDR) to see every detail in both bright and dark areas of the scene
- Built-in Intelligent Video Analytics to trigger relevant alerts and quickly retrieve data

MONITORS
See pages 124-130

NORBAIN PRESENTS: HANWHA WISENET MULTI-SENSOR CAMERAS

Multi-sensor cameras can offer increased coverage at a reduced overall price. In this video, we've partnered with Hanwha Techwin to explain the applications and benefits.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Hanwha Techwin

PERSON

FACE

PERSON

WISENET

MONITOR 2 DIRECTIONS WITH AI

PNM-C12083RVD
PNM-C7083RVD

- Reduction in false alarms with accurate AI based object detection (person/face/vehicle/licence plate)
- Enhanced image quality and lower bandwidth requirements with AI based enhanced features (WiseNRII/auto prefer shutter control/WiseStreamIII)
- Cost-efficient solution with one camera monitoring 2 areas
- Next level cybersecurity — TPM 2.0 (FIPS 140-2 certified)

www.hanwha-security.eu

Manufacturer	Part No.	Quick Ref.	Product Description
IP BULLET CAMERA ACCESSORIES			
Honeywell	**HA60BB1**	**0878740**	Series 60 bullet camera junction box
Paxton	**010-373**	**0680200**	Paxton10 mini bullet camera junction box
360° AND PANORAMIC DOME ACCESSORIES			
Bosch	**MIC-ILB-400**	**0636420**	Illuminator, white-IR light, black
Bosch	**MIC-ILW-400**	**0649970**	Illuminator, white-IR light, white
Bosch	**MIC-ILG-400**	**0643280**	Illuminator, white-IR light, grey
Hanwha Techwin	**SLA-2M2400D**	**0847780**	2.4mm lens 2M module for PNM-7000VD
Hanwha Techwin	**SLA-2M2800D**	**0847790**	2.8mm lens 2M module for PNM-7000VD
Hanwha Techwin	**SLA-2M3600D**	**0847800**	3.6mm lens 2M module for PNM-7000VD
Hanwha Techwin	**SLA-2M6000D**	**0847810**	6mm lens 2M module for PNM-7000VD
Hanwha Techwin	**SLA-2M2400Q**	**0533300**	2.4mm fixed lens 2MP module for PNM-9000VQ
Hanwha Techwin	**SLA-2M2800Q**	**0672930**	2.8mm fixed lens 2MP module for PNM-9000VQ
Hanwha Techwin	**SLA-2M3600Q**	**0573700**	3.6mm fixed lens 2MP module for PNM-9000VQ
Hanwha Techwin	**SLA-2M6000Q**	**0573710**	6mm fixed lens 2MP module for PNM-9000VQ
Hanwha Techwin	**SLA-5M3700Q**	**0572170**	3.7mm fixed lens 5MP module for PNM-9000VQ
Hanwha Techwin	**SLA-5M4600Q**	**0573720**	4.6mm fixed lens 5MP module for PNM-9000VQ
Hanwha Techwin	**SLA-5M7000Q**	**0573730**	7mm fixed lens 5MP module for PNM-9000VQ
Hanwha Techwin	**SLA-2M2400P**	**0573740**	2.4mm fixed 2MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-2M2800P**	**0573750**	2.8mm fixed 2MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-2M3600P**	**0573760**	3.6mm fixed 2MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-2M6000P**	**0573770**	6mm fixed 2MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-2M1200P**	**0573780**	12mm fixed 2MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-5M3700P**	**0573790**	3.7mm fixed 5MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-5M4600P**	**0573800**	4.6mm fixed 5MP lens module for PNM-9320VQP
Hanwha Techwin	**SLA-5M7000P**	**0573810**	7mm fixed 5MP lens module for PNM-9320VQP

vista

INTERNAL STATIC DOME ACCESSORIES

The following styles of camera are compatible with the bracketry shown here:

A) VFDA28V12HDA-XXX
B) VK2-2MPXVFDIR28V12M
C) VK2-3MPMD26e
D) VK2-5MP360INT

A

B

C

D

SOLID CEILING MOUNT

DJBW
(0811180)

WALL MOUNT

VFDA-IWMB/W
(0656110)

OR

VCW-IWMB
(0825400)

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

VDM-2MP(VW)
(0476060)
2m pole

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

VXID-IPMAW
(0718890)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

STATIC IP DOME ACCESSORIES

Manufacturer	Part No.	Quick Ref.	Product Description
Honeywell	**HA30JCB01**	**0863210**	Series 30 junction box, round
Honeywell	**HA30WLM01**	**0878640**	Series 30 wall mounting bracket
Honeywell	**HA30WLM03**	**0878650**	Series 30 wall mounting bracket
Honeywell	**HA30PLM01**	**0878660**	Series 30 pole mounting adaptor
Honeywell	**HA30CNM01**	**0878670**	Series 30 corner mounting adaptor
Paxton	**010-799**	**0894930**	Paxton10 mini dome camera junction box
Vista	**DJBW**	**0811180**	Dome junction box, white
Vista	**VFDA-IWMB/W**	**0656110**	Internal wall mount bracket, white
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VXID-IPMAW**	**0718890**	Internal pendant mount adaptor for internal static cameras, white
Vista	**VCW-EWMB**	**0815480**	External wall mount bracket, white
Vista	**VDM-WMVRD**	**0366950**	External wall mount bracket, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-ECMAW**	**0718920**	External corner mount adaptor, white
Vista	**VPL-IPMAW**	**0718900**	Internal pendant mount adaptor for VVRD cameras, white
Vista	**VRD-EPMBW**	**0811200**	External pendant mount bracket 0.5m for VVRD cameras, white
Vista	**VDM-EPMAW**	**0718930**	External pole mount adaptor, white
Vista	**VRD-TMW**	**0811210**	Swan neck tower mount for VVRD cameras, white
Vista	**VRD-TMJBW**	**0811220**	Swan neck tower mount with junction box for VVRD cameras, white
Vista	**VK2-X-CVBS-LEAD**	**0476680**	Test lead for VK2-VFD/VK2-VVRD domes
Vista	**VBC-EPMAW**	**0718910**	Pole mount adaptor for VBC/VK2 bullet cameras, white
Vista	**VK2L-BB**	**0481690**	Junction box for VKL2 cameras, white
Vista	**VL-BLJB**	**0870400**	Back box for VLI-4BL28V12IRS
Vista	**VL-EPMA**	**0870410**	Pole mount bracket for VLI-4BL28V12IRS - requires VL-BLJB
Vista	**VL-EDBJ**	**0871810**	Back box for VLI-4ED28V12IRS

vista

EXTERNAL STATIC DOME ACCESSORIES

The following styles of camera are compatible with the bracketry shown here:

A) VVRDHD4X2712IRM
A) VVRD28V12MHDAW
A) VVRD28V12MHDAIRW
A) VVRD28V12MHDAIRSW
A) VK2-2MPXVRDIR37
A) VK2-2MPXVRDIR28V12M
A) VK2-4MPXVRDIR28V12M
B) VK2-3MPEFEDRe
B) VEFED28V12MHDAW
C) VK2-4MPTIR28V12M (DJBW only)
C) VTIRHD528V12M (DJBW only)

A

B

C

SOLID CEILING MOUNT

DJBW
(0811180)

WALL MOUNT

VCW-EWMB
(0815480)

*Not for use with **C**

WALL MOUNT WITH J. BOX

VDM-WMVRD
(0366950) ([A] Only)

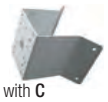
VDM-WMJB
(0366930)

*Not for use with **C**

CORNER MOUNT

See **Wall Mount with J. Box**

VDM-ECMAW
(0718920) ([A] Only)



*Not for use with **C**

SIDE POLE MOUNT

See **Wall Mount with J. Box**

VDM-EPMAW
(0718930) ([A] Only)

*Not for use with **C**

SWAN NECK

VRD-TMW
(0811210)
([A] Only)

OR

VRD-TMJBW
(0811220)
([A] Only)
with integral junction box

*Not for use with **C**

PENDANT (FIXED LENGTH)

VRD-EPMBW
(0811200)
([A] Only)
length 500mm

*Not for use with **C**

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
([A] Only)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
([A] Only)
Girder adaptor

*Not for use with **C**

VDM-2MP(VW)
(0476060)
([A] Only)
2m pole

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required ([A] Only)

VPL-IPMAW
(0718900)
([A] Only)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA ESSENTIAL RANGE - CAT5e PVC			
Vista	**VC5PVC0.5M-Green**	**0855940**	50cm RJ45 patch lead green PVC casing
Vista	**VC5PVC0.5M-Blue**	**0855950**	50cm RJ45 patch lead blue PVC casing
Vista	**VC5PVC0.5M-Yellow**	**0855960**	50cm RJ45 patch lead yellow PVC casing
Vista	**VC5PVC0.5M-White**	**0855970**	50cm RJ45 patch lead white PVC casing
Vista	**VC5PVC0.5M-Red**	**0855980**	50cm RJ45 patch lead red PVC casing
Vista	**VC5PVC1M-Green**	**0855990**	1m RJ45 patch lead green PVC casing
Vista	**VC5PVC1M-Blue**	**0856000**	1m RJ45 patch lead blue PVC casing
Vista	**VC5PVC1M-Yellow**	**0856010**	1m RJ45 patch lead yellow PVC casing
Vista	**VC5PVC1M-White**	**0856020**	1m RJ45 patch lead white PVC casing
Vista	**VC5PVC1M-Red**	**0856030**	1m RJ45 patch lead red PVC casing
Vista	**VC5PVC2M-Green**	**0856040**	2m RJ45 patch lead green PVC casing
Vista	**VC5PVC2M-Blue**	**0856050**	2m RJ45 patch lead blue PVC casing
Vista	**VC5PVC2M-Yellow**	**0856060**	2m RJ45 patch lead yellow PVC casing
Vista	**VC5PVC2M-White**	**0856070**	2m RJ45 patch lead white PVC casing
Vista	**VC5PVC2M-Red**	**0856080**	2m RJ45 patch lead red PVC casing
Vista	**VC5PVC3M-Green**	**0856090**	3m RJ45 patch lead green PVC casing
Vista	**VC5PVC3M-Blue**	**0856100**	3m RJ45 patch lead blue PVC casing
Vista	**VC5PVC3M-Yellow**	**0856110**	3m RJ45 patch lead yellow PVC casing
Vista	**VC5PVC3M-White**	**0856120**	3m RJ45 patch lead white PVC casing
Vista	**VC5PVC3M-Red**	**0856130**	3m RJ45 patch lead red PVC casing
VISTA ESSENTIAL RANGE - CAT6 LOW SMOKE ZERO HALOGEN (LSZH)			
Vista	**VC6LSZH0.5M-Green**	**0856140**	50cm RJ45 patch lead green LSZH casing
Vista	**VC6LSZH0.5M-Blue**	**0856150**	50cm RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH0.5M-Yellow**	**0856160**	50cm RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH0.5M-White**	**0856170**	50cm RJ45 patch lead white LSZH casing
Vista	**VC6LSZH0.5M-red**	**0856180**	50cm RJ45 patch lead red LSZH casing
Vista	**VC6LSZH1M-Green**	**0856190**	1m RJ45 patch lead green LSZH casing
Vista	**VC6LSZH1M-Blue**	**0856200**	1m RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH1M-Yellow**	**0856210**	1m RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH1M-White**	**0856220**	1m RJ45 patch lead white LSZH casing
Vista	**VC6LSZH1M-Red**	**0856230**	1m RJ45 patch lead red LSZH casing
Vista	**VC6LSZH2M-Green**	**0856240**	2m RJ45 patch lead green LSZH casing
Vista	**VC6LSZH2M-Blue**	**0856250**	2m RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH2M-Yellow**	**0856260**	2m RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH2M-White**	**0856270**	2m RJ45 patch lead white LSZH casing
Vista	**VC6LSZH2M-Red**	**0856280**	2m RJ45 patch lead red LSZH casing
Vista	**VC6LSZH3M-Green**	**0856290**	3m RJ45 patch lead green LSZH casing
Vista	**VC6LSZH3M-Blue**	**0856300**	3m RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH3M-Yellow**	**0856310**	3m RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH3M-White**	**0856320**	3m RJ45 patch lead white LSZH casing
Vista	**VC6LSZH3M-Red**	**0856330**	3m RJ45 patch lead red LSZH casing

vista

VISTA ESSENTIAL CAT5e PATCH LEADS

- 5 different colours - green, blue, yellow, white & red
- 4 different lengths from 50cm to 3m
- Integrated strain relief
- PVC outer casing
- Solid copper core

vista

VISTA ESSENTIAL CAT6 PATCH LEADS

- 5 different colours - green, blue, yellow, white & red
- 4 different lengths from 50cm to 3m
- Integrated strain relief
- LSZH outer casing
- Solid copper core

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	VISTA ESSENTIAL RANGE CONTINUED			
	Vista	**VSCT-RJ45**	**0853320**	Standard crimp tool from RJ45, RJ11 and RJ12 plugs
	Vista	**VCP-RJ45-Cat5-10**	**0853330**	10 x Standard crimp CAT5E
	Vista	**VCP-RJ45-Cat5-50**	**0853340**	50 x Standard crimp CAT5E
	Vista	**VCP-RJ45-Cat6-10**	**0853350**	10 x Standard crimp CAT6
	Vista	**VCP-RJ45-Cat6-50**	**0853360**	50 x Standard crimp CAT6
A	Vista	**VFCT-RJ45**	**0853370**	FAST crimp and cut tool for RJ45 plugs, for use with VFCP plug sockets
	Vista	**VFCP-RJ45-Cat5-10**	**0853380**	10 x FAST crimp plug CAT5E, for use with VFCT-RJ45 crimp tool
	Vista	**VFCP-RJ45-Cat5-50**	**0853390**	50 x FAST crimp plug CAT5E, for use with VFCT-RJ45 crimp tool
	Vista	**VFCP-RJ45-Cat6-10**	**0853400**	10 x FAST crimp plug CAT6, for use with VFCT-RJ45 crimp tool
	Vista	**VFCP-RJ45-Cat6-50**	**0853410**	50 x FAST crimp plug CAT6, for use with VFCT-RJ45 crimp tool
	Vista	**VIBC5-10**	**0853420**	10 x Integral strain relief boot for CAT5E, clear plastic
	Vista	**VIBC5-50**	**0853430**	50 x Integral strain relief boot for CAT5E, clear plastic
	Vista	**VIBC6-10**	**0853440**	10 x Integral strain relief boot for CAT6, clear plastic
	Vista	**VIBC6-50**	**0853450**	50 x Integral strain relief boot for CAT6, clear plastic
B	Vista	**VBTC5-Yellow-10**	**0853460**	10 x CAT5 strain relief boot yellow
	Vista	**VBTC5-Yellow-50**	**0853470**	50 x CAT5 strain relief boot yellow
	Vista	**VBTC5-Green-10**	**0853480**	10 x CAT5 strain relief boot green
	Vista	**VBTC5-Green-50**	**0853490**	50 x CAT5 strain relief boot green
	Vista	**VBTC5-Blue-10**	**0853500**	10 x CAT5 strain relief boot blue
	Vista	**VBTC5-Blue-50**	**0853510**	50 x CAT5 strain relief boot blue
	Vista	**VBTC5-Red-10**	**0853520**	10 x CAT5 strain relief boot red
	Vista	**VBTC5-Red-50**	**0853530**	50 x CAT5 strain relief boot red
	Vista	**VBTC5-Black-10**	**0853540**	10 x CAT5 strain relief boot black
	Vista	**VBTC5-Black-50**	**0853550**	50 x CAT5 strain relief boot black
	Vista	**VBTC6-Yellow-10**	**0853560**	10 x CAT6 strain relief boot yellow
	Vista	**VBTC6-Yellow-50**	**0853570**	50 x CAT6 strain relief boot yellow
	Vista	**VBTC6-Green-10**	**0853580**	10 x CAT6 strain relief boot green
	Vista	**VBTC6-Green-50**	**0853590**	50 x CAT6 strain relief boot green
	Vista	**VBTC6-Blue-10**	**0853600**	10 x CAT6 strain relief boot blue
	Vista	**VBTC6-Blue-50**	**0853610**	50 x CAT6 strain relief boot blue
	Vista	**VBTC6-Red-10**	**0853620**	10 x CAT6 strain relief boot red
	Vista	**VBTC6-Red-50**	**0853630**	50 x CAT6 strain relief boot red
	Vista	**VBTC6-Black-10**	**0853640**	10 x CAT6 strain relief boot black
	Vista	**VBTC6-Black-50**	**0853650**	50 x CAT6 strain relief boot black
C	Vista	**V24PC6PP**	**0853660**	24 Port punch down patch panel for CAT5E and CAT6 cable with cable management
	Vista	**VPDT**	**0853670**	Punch down tool

vista

A VFCT-RJ45

- Unique design allowing faster more accurate crimping
- Compatible with VFCP (fast crimp plugs)
- Crimps and cuts in one action
- Reduces errors, saves time and money
- Robust carbon steel body

vista

B CAT5/CAT6 STRAIN RELIEF BOOT

- Available in packs of 10 or 50 pieces standard pushover strain relief boots, for use with FAST or standard Vista RJ45 crimps for CAT5e/CAT6 cables, available in yellow, green, blue, red & black

vista

C V24PC6PP

- 24 Port punch down patch panel for CAT6 cabling fits into a 1U rack mount

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Form Factor	Frame Rate at Max. Res. (ips)	Focal Length	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Wireless	NDAA Compliant	Secure by Default
COMPACT CAMERAS UP TO 1080P																	
Hanwha Techwin	**QND-6011**	**0635200**	1920x1080 (1080p)/2MP	-	-	2.8mm	-	120dB	-	0.03 lux	3	✓	-	-	-	✓	-
Hanwha Techwin	**QND-6021**	**0635210**	1920x1080 (1080p)/2MP	-	-	2.8mm	-	120dB	-	0.03 lux	3	✓	-	-	-	✓	-
COMPACT CAMERAS OVER 1080P																	
Hanwha Techwin	**QND-8011**	**0677840**	2560x1600 (WQXGA)/4.1MP	-	-	2.8mm	-	120dB	-	0.15/0.15 lux	3	✓	-	-	-	✓	-
Hanwha Techwin	**QND-8021**	**0635220**	2560x1600 (WQXGA)/4.1MP	-	-	4mm	-	120dB	-	0.15/0.15 lux	3	✓	-	-	-	✓	-
Hikvision	**DS-2CD6425G1-10(3.7mm)2m**	**0886470**	1920x1080 (1080p)/2MP	Covert	25ips	2.8-3.7 mm	TDN	120dB	-	0.002 lux	3	✓	✓	1in/1out	-	-	✓
Hikvision	**DS-2CD6425G1-20(3.7mm)2m**	**0886460**	1920x1080 (1080p)/2MP	Covert	25ips	2.8-4mm	TDN	120dB	-	0.002 lux	3	✓	✓	1in/1out	-	-	✓

ALTRON
The Pinnacle of Camera Mounting
See pages 120-121 for Altron Towers

CABLES
See pages 246-248

NORBAIN TV

Norbain has a great YouTube channel where you can check out the latest product videos and explore new and upcoming technologies and is, of course, home to internet sensation, Pocket-size Buzz!

Playlists include:

- Norbain Presents – product videos from leading suppliers
- TechTalk – an in-depth view of key technologies in the industry
- Pocket-size Buzz – a quick overview of key technologies in the industry
- Vista – a selection of their most popular videos

We're adding to this the whole time so please check it out and let us know what other content you'd like to see. If you'd like to be kept up to date with new content, just like the channel to receive notifications.

YouTube

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Hanwha Techwin

X-SERIES MEETS AI

WISENET X

AFFORDABLE AI UNLOCKED

- AI based object detection - Person, Face, Vehicle, License Plate
- AI based enhanced image processing - WiseNRII, WiseStreamIII
- AI search support for Genetec, Milestone & Wisenet Wave
- Wide range of camera types and resolutions from 2MP to 4K
- Next level cybersecurity - UL CAP, FIPS 2.0, NDAA compliant

www.hanwha-security.eu

Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Lens	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	NDAA Compliant	Secure by Default
BULLET CAMERAS UP TO 1080P																
Bosch	**NBE-6502-AL**	**0820410**	1920x1080 (1080p)/2MP	60ips	2.8-12mm	TDN	146dB	60m	0.0225/0.0051 lux	4	✓	✓	1 in/1 out	PoE, 12-48VDC/ 24VAC	✓	✓
Bosch	**NBE-3502-AL**	**0638880**	1920x1080 (1080p)/2MP	30ips	3.2-10mm	SDN	120dB	30m	0.06/0.015 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
Hanwha Techwin	**XNO-6010R**	**0810380**	1920x1080 (1080p)/2MP	-	2.4mm	TDN	150dB	20m	0.055 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**XNO-6020R**	**0810390**	1920x1080 (1080p)/2MP	-	4mm	TDN	150dB	30m	0.015 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**XNO-6080R**	**0810370**	1920x1080 (1080p)/2MP	-	2.8-12mm	TDN	150dB	50m	0.015/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**XNO-6085R**	**0825500**	1920x1080 (1080p)/2MP	-	4.1-16.4mm (Optical 4x)	TDN	150dB	70m	0.004/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**XNO-6120R**	**0283550**	1920x1080 (1080p)/2MP	-	5.2-62.4mm (Optical 12x)	TDN	150dB	70m	0.03/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**QNO-6012R**	**0679910**	1920x1080 (1080p)/2MP	-	2.8mm	TDN	120dB	20m	0.095/0 lux (IR LED on)	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**QNO-6022R**	**0684540**	1920x1080 (1080p)/2MP	-	4mm	TDN	120dB	25m	0.095/0 lux (IR LED on)	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**QNO-6032R**	**0683790**	1920x1080 (1080p)/2MP	-	6mm	TDN	120dB	30m	0.095/0 lux (IR LED on)	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**QNO-6082R**	**0649160**	1920x1080 (1080p)/2MP	-	3.02-10mm	TDN	120dB	30m	0.095/0 lux (IR LED on)	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**XNO-6080R/MSK**	**0640880**	1920x1080 (1080p)/2MP	-	2.8-12mm	TDN	150dB	12m	0.015/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
Hanwha Techwin	**PNO-A6081R**	**0877930**	1920x1080 (1080p)/2MP	-	4.38-9.33mm	TDN	120dB	40m	0.007 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
Hanwha Techwin	**XNO-6083R**	**0897680**	1920x1080 (1080p)/2MP	-	2.8-8.4mm	TDN	150dB	40m	0.01 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
Hanwha Techwin	**XNO-C6083R**	**0897690**	1920x1080 (1080p)/2MP	-	2.8-8.4mm	TDN	150dB	40m	0.01 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
Hikvision	**iDS-2CD7A26G0/P-IZHSY (2.8-12mm)(C)(UK)**	**0886410**	1920x1080 (1080p)/2MP	25ips	2.8-12mm	TDN	140dB	50m	0.0005/0.0001/0 lux with IR	5+	✓	✓	2 in/2 out	PoE, 12VDC	-	✓
Honeywell	**HC30WB2R1**	**0636320**	2MP	30ips	4mm	-	120dB	50m	0.065/0 lux	-	✓	-	-	PoE, 12VDC	-	-

VK2-2MPXBIR28V12Ms

- 2MP bullet
- 40m IR illumination
- 2.8-12mm motorised lens
- 120dB True WDR
- H.264/H.265 quad streaming

The VK2-2MPXBIR28V12Ms 2MP IP66 bullet packs an impressive level of features and functionality into its robust but aesthetically designed housing. The bullet can deliver up to 4 streams in multiple formats including H.264, MJEG, whilst the latest H.265 technology reduces the levels of bandwidth and storage required by the recording station. As well as True WDR, motorised remote set up lens, IR illumination, alarm, audio, MicroSD card edge storage and PoE. The camera has a "Hi-Stream" function, this offers static and dynamic Regions of Interest (ROI) within the bullet set-up and allows the camera to continually analyse the scene, adding more compression to areas of low interest with no motion whilst applying lower levels of compression to areas where motion is present, as a result showing higher definition in these areas. This means that lower bandwidth is required for transmission and less storage is required on the NVR.

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	Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Lens	Operation	WDR	Max. IR Range	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	NDAA Compliant	Secure by Default
BULLET CAMERAS UP TO 1080P CONTINUED																	
	IDIS	**DC-E4213WRX**	**0855210**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	WDR 120dB	30m	0.2/0 lux (IR LED on)	4	✓	1 in/1 out	1 in/1 out	PoE, 12VDC	-	✓
	IDIS	**DC-T4233WRX**	**0861580**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	WDR 120dB	30m	0.1/0 lux (IR LED on)	4	✓	1 in/1 out	1 in/1 out	PoE, 12VDC	-	✓
	IDIS	**DC-T4236WRX**	**0873480**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	WDR 120dB	30m	0.1/0 lux (IR LED on)	4	✓	1 in/1 out	1 in/1 out	PoE, 12VDC	✓	✓
A	Vista	**VK2-2MPXBIR28V12Ms**	**0476500**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	120dB	40m	0.1/0 lux with (IR on)	4	✓	1 in/1 out	1 in/1 out	PoE, 12VDC	-	✓
	VIVOTEK	**IB9369 2.8mm**	**0880360**	1920x1080 (1080p)/2MP	30ips	2.8mm	TDN	Digital	30m	0.08/0 lux with IR	2	✓	-	-	PoE, 12VDC	✓	✓
	VIVOTEK	**IB9369 3.6mm**	**0880370**	1920x1080 (1080p)/2MP	30ips	3.6mm	TDN	120dB	30m	0.065/0 lux with IR	3	✓	-	-	PoE	✓	✓
	VIVOTEK	**IB9368-HT**	**0685970**	1920x1080 (1080p)/2MP	30ips	2.8-12mm	TDN	120dB	30m	0.055/0 lux with IR	3	✓	-	-	PoE	✓	✓
BULLET CAMERAS OVER 1080P																	
	Hanwha Techwin	**XNO-8020R**	**0217010**	2560x2048 (QSXGA)/5.2MP	-	3.7mm	TDN	120dB	30m	0.16/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**XNO-8030R**	**0217020**	2560x2048 (QSXGA)/5.2MP	-	4.6mm	TDN	120dB	30m	0.16/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**XNO-8040R**	**0217030**	2560x2048 (QSXGA)/5.2MP	-	7mm	TDN	120dB	30m	0.16/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**XNO-8080R**	**0215060**	2560x2048 (QSXGA)/5.2MP	-	3.9-9.4mm	TDN	120dB	50m	0.07/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**QNO-8010R**	**0647100**	2560x2048 (QSXGA)/5.2MP	-	2.8mm	TDN	120dB	20m	0.15 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**QNO-8020R**	**0647110**	2560x2048 (QSXGA)/5.2MP	-	4mm	TDN	120dB	25m	0.15 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**QNO-8030R**	**0647120**	2560x2048 (QSXGA)/5.2MP	-	6mm	TDN	120dB	30m	0.15 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**QNO-8080R**	**0636180**	2560x2048 (QSXGA)/5.2MP	-	3.2-10mm	TDN	120dB	30m	0.15 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hanwha Techwin	**XNO-8082R**	**0808340**	2560x2048 (QSXGA)/5.2MP	-	2.8-8.4mm	TDN	120dB	40m	0.05 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2XC6244G0-L (3-9mm)**	**0892110**	2688x1520/ 4MP	25ips	3-9mm	TDN	120dB	10m	0.001/0 lux with IR	3	✓	✓	-	PoE, 12VDC	-	✓
	Honeywell	**HC30WB5R1**	**0636330**	5MP	30ips	4mm	TDN	120dB	50m	0.03/0 lux	3	✓	-	-	PoE, 12VDC	✓	✓
	Honeywell	**HC30WB5R2**	**0636340**	5MP	30ips	2.8-12mm	TDN	120dB	50m	0.035/0 lux	3	✓	-	-	PoE, 12VDC	✓	✓
	Honeywell	**HC35WB3R3**	**0900000**	2048x1536 (QXGA)/3.1MP	30ips	2.8mm	SDN	120dB	40m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	✓	✓
	Honeywell	**HC35WB3R2**	**0900010**	2048x1536 (QXGA)/3.1MP	30ips	2.7-13.5mm	SDN	120dB	40m	0.005/0 lux	3	✓	-	-	PoE, 12VDC	✓	✓
B	Honeywell	**HC60WB5R2**	**0806940**	5MP	30ips	2.7-13.5mm	TDN	120dB	60m	0.035/0 lux	3	✓	-	-	PoE, 12VDC	✓	-
	Honeywell	**HC60WB5R5**	**0806950**	5MP	30ips	5.-50mm	TDN	120dB	60m	0.035/0 lux	3	✓	-	-	PoE, 12VDC	✓	-
	VIVOTEK	**IB9380-H**	**0876860**	2560x2048 (QSXGA)/5.2MP	20ips	3.6mm	TDN	120dB	30m	0.03/0 lux with IR	3	✓	-	-	PoE	✓	✓
	VIVOTEK	**IB9387-EHT-A**	**0876870**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	TDN	120dB	50m	0.075/0 lux with IR	3	✓	✓	2 in/2 out	PoE, 12/24V	✓	✓
	VIVOTEK	**IB9387-HT-A**	**0876880**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	TDN	120dB	50m	0.075/0 lux with IR	3	✓	✓	2 in/2 out	PoE, 12/24V	✓	✓
	VIVOTEK	**IB9388-HT**	**0876890**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-12mm	TDN	120dB	30m	0.035/0 lux with IR	3	✓	-	-	PoE	✓	✓
	VIVOTEK	**IB9389-EHT-V2**	**0889190**	2560x2048 (QSXGA)/5.2MP	30ips	2.8-10mm	TDN	120dB	30m	0.01/0 lux with IR	3	✓	.	-	PoE	✓	✓
	VIVOTEK	**IB9389-EH-V2**	**0899180**	2560x2048 (QSXGA)/5.2MP	30ips	3.6mm	TDN	120dB	30m	0.01/0 lux with IR	3	✓	-	-	PoE	✓	✓

Honeywell

B HC60WB5R2

- 5MP 2.7-13.5mm fixed dome camera
- Honeywell NDAA & Secure by Default
- Works with ADPRO/MaxPro & S30 NVRs
- PoE or 12VDC or 24VAC
- WDR 120dB
- IR to 60m

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BULLET CAMERAS 4MP AND ABOVE																	
	Bosch	**NBE-3503-AL**	**0638890**	2560x2048 (QSXGA)/5.2MP	25ips	3.2-10mm	SDN	120dB	30m	0.5/0.2 lux	4	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Bosch	**NBE-7604-AL-OC**	**0899970**	3840x2160 (4K)/8MP	30ips	3.6-10mm	TDN	87dB	40m	0.189/0 lux with IR	3	✓	✓	✓	PoE, 24VAC	-	✓
	Hanwha Techwin	**PNO-A9081RLP**	**0885440**	3840x2160 (4K)/8MP	-	4.5-10mm	TDN	120dB	40m	0.05 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**QNO-7022R**	**0888370**	2560x1600 (WQXGA)/4.1MP	-	4mm	TDN	120dB	40m	0.15 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**QNO-7082R**	**0888390**	2560x1600 (WQXGA)/4.1MP	-	3.2-10mm	TDN	120dB	40m	0.1 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**XNO-C7083R**	**0892540**	2560x1600 (WQXGA)/4.1MP	-	2.8-10mm	TDN	120dB	40m	0.038 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**XNO-8083R**	**0897540**	2560x2048 (QSXGA)/5.2MP	-	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**XNO-C8083R**	**0897530**	2560x2048 (QSXGA)/5.2MP	-	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**XNO-C9083R**	**0897490**	3840x2160 (4K)/8MP	-	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hanwha Techwin	**XNO-9083R**	**0897500**	3840x2160 (4K)/8MP	-	4.4-9.3mm	TDN	120dB	40m	0.04 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Hikvision	**iDS-2CD7A46G0-IZHS (2.8-12mm)(C)**	**0886420**	2560x1440/4MP	25ips	2.8-12mm	TDN	140dB	50m	0.0005/0.0001/0 lux with IR	5+	✓	-	2 in/2 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD2646G2-IZS (2.8-12mm)(C)**	**0867870**	2688x1520/4MP	25ips	2.8-12mm	TDN	120dB	60m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD2046G2-IU (2.8mm)(C)**	**0875210**	2688x1520/4MP	25ips	2.8mm	TDN	120dB	40m	0.003/0 lux with IR	3	✓	-	-	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD2T46G2-2I (2.8mm)(C)**	**0867850**	2688x1520/4MP	25ips	2.8mm	TDN	120dB	60m	0.003/0 lux with IR	3	✓	-	-	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD2T46G2-4I (2.8mm)(C)**	**0867440**	2688x1520/4MP	25ips	2.8mm	TDN	120dB	80m	0.003/0 lux with IR	3	✓	-	-	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD3T56G2-4IS (4mm)**	**0886260**	1592x1944/5MP	25ips	2.8mm	TDN	120dB	90m	0.003/0 lux with IR	4	✓	✓	2 in/2 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD3656G2-IZS (2.7-13.5mm)**	**0886250**	1592x1944/5MP	25ips	2.7-13.5mm	TDN	120dB	60m	0.003/0 lux with IR	4	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD2666G2-IZS (2.8-12mm)(C)**	**0875360**	3200x1800/6MP	25ips	2.7-13.5mm	TDN	120dB	60m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD3686G2-IZS (2.7-13.5mm)**	**0886280**	3840x2160 (4K)/8MP	25ips	2.7-13.5mm	TDN	120dB	60m	0.003/0 lux with IR	4	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD2686G2-IZS (2.8-12mm)(C)**	**0884420**	3840x2160 (4K)/8MP	25ips	2.8-12mm	TDN	120dB	60m	0.003/0 lux with IR	3	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2CD3T86G2-4IS (4mm)**	**0886290**	3840x2160 (4K)/8MP	25ips	2.8mm	TDN	120dB	90m	0.003/0 lux with IR	4	✓	✓	2 in/2 out	PoE, 12VDC	-	✓
	Hikvision	**DS-2XS6A87G1-L/ C32S80(2.8mm)**	**0886450**	3840x2160 (4K)/8MP	12.5ips	2.8mm	TDN	120dB	30m	0.0005/0 lux with IR	2	✓	✓	-	-	-	-
	Honeywell	**HC35WB5R3**	**0900060**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	SDN	120dB	50m	0.005/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Honeywell	**HC35WB5R2**	**0900070**	2560x2048 (QSXGA)/5.2MP	30ips	2.7-13.5mm	SDN	120dB	50m	0.005/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Honeywell	**HC35WB8R3**	**0900130**	3840x2160 (4K)/8MP	30ips	2.8mm	SDN	120dB	40m	0.007/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	Honeywell	**HC35WB8R2**	**0900140**	3840x2160 (4K)/8MP	30ips	2.7-13.5mm	SDN	120dB	40m	0.007/0 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓
	IDIS	**DC-T4516WRX-A**	**0883670**	2592x1944/5MP	30ips	2.8mm	TDN	120dB	30m	0.15/0 lux with IR	4	✓	-	1 in/1 out	PoE	✓	-
	IDIS	**DC-T4536HRX-A**	**0896900**	2592x1944/5MP	30ips	3-13.5mm	TDN	120dB	30m	0.15/0 lux with IR	4	✓	-	1 in/1 out	PoE, 12VDC	✓	-
	IDIS	**DC-T4831HRX-A**	**0900520**	3840x2160 (4K)/8MP	30ips	2.7-13.5mm	TDN	120dB	40m	0.2/0 lux with IR	4	✓	-	1 in/1 out	PoE, 12VDC	✓	-
A	Paxton	**010-911**	**0877170**	2560x1440/4MP	20ips	2.8mm	TDN	120dB	40m	0.003 lux	2	✓	✓*	-	PoE, 12VDC	-	-
B	Paxton	**010-924**	**0877220**	3840x2160 (4K)/8MP	20ips	2.8-12mm	TDN	120dB	60m	0.003 lux	2	✓	-	-	PoE, 12VDC	-	-
	Paxton	**010-158**	**0877200**	3840x2160 (4K)/8MP	20ips	2.8mm	TDN	120dB	40m	0.003 lux	2	✓	✓*	-	PoE, 12VDC	-	-
C	Vista	**VLI-4BL28V12IRS**	**0874860**	2560x1440/4MP	30ips	2.8-12mm	TDN	Digital	30m	0.011/0 lux with IR	3	✓	✓	-	PoE, 12VDC	✓	-
D	Vista	**VK2-4MPXBIR28V12Ms**	**0653300**	2592x1520/4MP	30ips	2.8-12mm	TDN	120dB	40m	0.1/0 lux with IR	4	✓	✓	1 in/1 out	PoE, 12VDC	-	✓
	Vista	**VLI-4BL28IRQ**	**0893370**	2560x1440/4MP	30ips	2.8mm	TDN	120dB	30m	0.005/0 lux	3	✓	✓	-	PoE, 12VDC	✓	-
	Vista	**VLI-4BL28V12IRQ**	**0890930**	2560x1440/4MP	30ips	2.8-12mm	TDN	120dB	30m	0.011/0 lux with IR	3	✓	✓	-	PoE, 12VDC	✓	-

***Audio playback functionality not available in Paxton10**

Paxton

A 010-911

- Cost-effective mini bullet camera
- 4MP industry standard resolution
- 64GB on camera storage included as standard
- IP67 rated for external use
- Industry leading low light performance (0.003 lux)

Paxton

B 010-924

- High performance varifocal bullet cameras
- 8MP, 4K resolution for crystal clear recording
- 256GB on camera storage included as standard
- IP66 and IK10
- Industry leading low light performance (0.003 lux)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

C

VLI-4BL28V12IRS

- 4MP bullet
- Up to 30m IR illumination
- 2.8-12mm motorised lens
- IP67 ingress protection
- H.264/H.265 triple streaming
- NDAA compliant

The VLI-4BL28V12IRS 4MP IP67 bullet packs plenty of features and functionality into its robust but aesthetically designed housing. The bullet can deliver up to 3 streams in multiple formats including H.264, whilst the latest H.265 technology reduces the levels of bandwidth and storage required by the recording solution. Integrated motorised lens, IR illumination, MicroSD card edge storage and PoE, the camera has ROI coding function. This function allows the camera to continually analyse the scene, adding more compression to areas of low interest with no motion, whilst applying lower levels of compression to areas where motion is present, as a result showing higher definition in these areas. This means that lower bandwidth is required for transmission and less storage is required on the NVR.

D

VK2-4MPXBIR28V12Ms

- 4MP
- 2.8-12mm varifocal lens
- Up to 40m IR illumination
- H.265, H.264, MJPEG codec supported, multiple streaming
- True WDR (120dB)
- ONVIF compliant

The VK2-4MPXBIR28V12Ms 4MP IP66 varifocal bullet camera packs an impressive level of features and functionality into its robust but aesthetically designed housing. This bullet can deliver up to 4 streams in multiple formats including H.264, MJPEG and the latest H.265 technology reduces the levels of bandwidth and storage required by the recording solution. As well as True WDR, motorised remote set up lens, IR illumination, alarms, audio, MicroSD card edge storage and PoE, the camera has a "Hi-Stream" function. This offers static and dynamic Regions of Interest (ROI) within the VK2-4MPXBIR28V12Ms bullet set up. This function allows the camera to continually analyse the scene, adding more compression to areas of low interest with no motion whilst applying lower levels of compression to areas where motion is present, as a result showing higher definition in these areas. This means that lower bandwidth is required for transmission and less storage is required on the NVR. The wide ranging 2.8-12mm motorised lens can be remotely adjusted to give the optimal angle of view, making it a simple one person installation.

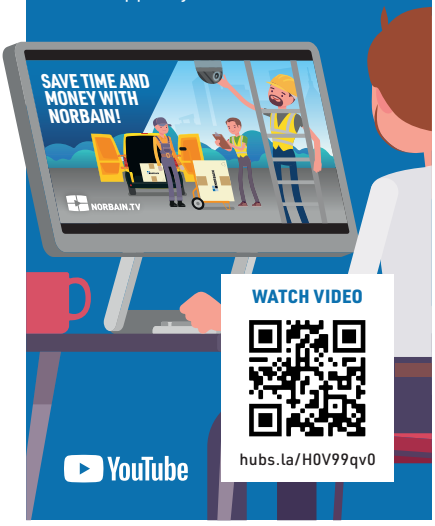
NORBAIN BASICS – WHAT IS SECURITY?

As a security solutions installer, do you ever want to take a step back and understand "The need for security"?

Buzz walks us through why we need security and what level might be appropriate for different scenarios.

SAVE TIME AND MONEY WITH NORBAIN

Norbain has structured its business around making our customers' businesses run as smoothly and cost-effectively as possible. Watch this short video to find out more about the many ways in which we can support you.



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Hanwha Techwin

WISENET AI Cameras

NO CONFUSION, NO HIGH COSTS.

REDUCE FALSE ALARMS WITH CAMERAS POWERED BY DEEP LEARNING ARTIFICIAL INTELLIGENCE

- No need to position the camera at "top view" for accurate people counting
- Search for specific objects quickly and easily
- Narrow down searches by identifying attributes
- Additional licence-free applications: face mask detection, social distancing, queue management & occupancy monitoring

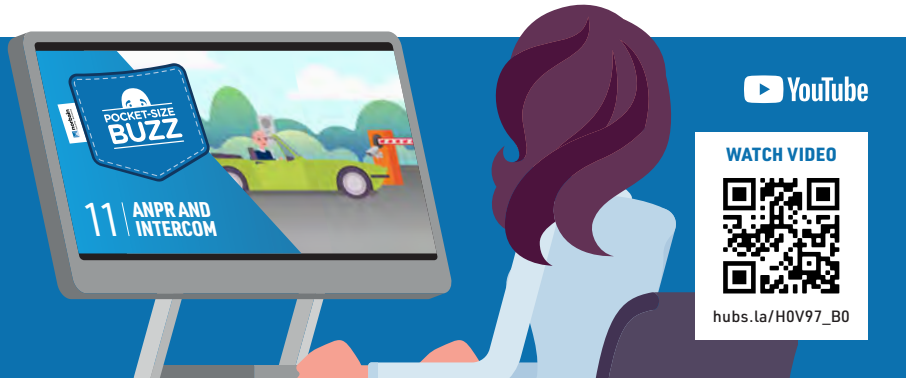
www.hanwha-security.eu

Manufacturer	Part No.	Quick Ref.	Product Description
NUMBER PLATE RECOGNITION BULLET CAMERAS - ON BOARD PROCESSING			
Hanwha Techwin	**XNO-6080R/FSNP**	**0643090**	2MP bullet, 2.8-12mm, 50m IR, FF Roadway Serverless ANPR
Hanwha Techwin	**XNO-L6080R-V/FSNP**	**0880320**	2MP Lite bullet, 3.2-10mm, 30m IR, FF Roadway Serverless ANPR
Hikvision	**iDS-TCM403-BI/0411(UK)**	**0900720**	4MP IR ANPR Smart surveillance camera
Hikvision	**iDS-TCM403-BI/0832(UK)**	**0900730**	4MP IR ANPR Smart surveillance camera

Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Frame Rate at Max. Res. (ips)	Sensor Size	Lens	Operation	WDR	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	NDAA Compliant	Secure by Default
BOX CAMERAS UP TO 1080P																
Bosch	**NBN-50022-V3**	**0708780**	1920x1080 (1080p)/2MP	30ips	1/2.7"	3.3-12mm	TDN	76dB	0.25/0.05 lux	4	✓	✓	1 in/1 out	PoE, 12-48VDC /24VAC	✓	✓
Hanwha Techwin	**TNB-6030**	**0298720**	1920x1080 (1080p)/2MP	-	1/2.8"	4.6mm	-	150dB	0.06 lux	-	✓	✓	1 in/2 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-6000**	**0810360**	1920x1080 (1080p)/2MP	-	1/2.8"	-	-	150dB	0.01/0.001 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-6001**	**0847710**	1920x1080 (1080p)/2MP	-	-	-	-	120dB	-	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-6005**	**0847720**	1920x1080 (1080p)/2MP	-	1/2"	-	-	150dB	0.006/0.0006 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**QNB-6002**	**0647080**	1920x1080 (1080p)/2MP	-	1/2.8"	-	-	120dB	0.01/0 lux (IR LED on)	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-6000/MSK**	**0640870**	1920x1080 (1080p)/2MP	-	1/2.8"	-	-	150dB	0.01/0.001 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**PNB-A6001**	**0877970**	1920x1080 (1080p)/2MP	-	-	-	-	120dB	0.006 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	-
Hanwha Techwin	**XNB-6003**	**0897700**	1920x1080 (1080p)/2MP	-	-	-	-	150dB	0.007 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	-
BOX CAMERAS OVER 1080P																
Bosch	**NBN-80052-BA**	**0732280**	2560x2048 (QSXGA)/5.2MP	30ips	1/1.8"	-	TDN	113dB	0.0121/0.004 lux	4	✓	✓	2 in/1 out	PoE, 12-48VDC /24VAC	✓	✓
Hanwha Techwin	**XNB-8000**	**0214110**	2560x1600 (WQXGA)/4.1MP	-	1/1.8"	-	-	120dB	0.07/0.007 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**QNB-8002**	**0647090**	2560x1600 (WQXGA)/4.1MP	-	1/1.8"	-	-	120dB	0.07/0.007 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-9002**	**0808330**	3840x2160 (4K)/8MP	-	1/2.8"	-	-	Extreme	0.05/0.005 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-8002**	**0808380**	2560x2048 (QSXGA)/5.2MP	-	1/2.8"	-	-	Extreme	0.05/0.005 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	-	-
Hanwha Techwin	**XNB-8003**	**0897610**	3840x2160 (4K)/8MP	-	-	-	-	120dB	0.03 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	-
Hanwha Techwin	**XNB-9003**	**0897520**	3840x2160 (4K)/8MP	-	-	-	-	120dB	0.03 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	-
Hanwha Techwin	**PNB-A9001LP**	**0885430**	3840x2160 (4K)/8MP	-	-	-	-	120dB	0.03/0.003 lux	-	✓	✓	1 in/1 out	PoE, 12VDC	✓	-
VIVOTEK	**IT9389-H-v2(2.8MM)**	**0900370**	2560x2048 (QSXGA)/5.2MP	30ips	2.8mm	1/2.7"	TDN	120dB	0.01/0 lux with IR	3	✓	✓	-	PoE	✓	✓

POCKET-SIZE BUZZ – ANPR AND INTERCOM SOLUTION

We often advise customers on how multiple products can be combined to solve problems. Take a look at this short video that introduces some great partnerships that can help solve problems for your customers and increase their efficiency.



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ALL IN ONE CAMERAS

Manufacturer	Part No.	Quick Ref.	Max. Resolution/ Megapixels	Form Factor	Frame Rate at Max. Res (ips)	Focal Length	Operation	WDR	Min. Illumination	Number of Streams	Edge Recording (e.g. SD card)	Audio	Alarm I/O	Power	NDAA Compliant	Secure by Default
Hanwha Techwin	**PNO-A6081R**	**0877930**	2MP	Bullet	120ips	4.5-10mm	-	120dB	0.007 lux	5	2 x MicroSD	1 in/1 out	1 in/1 out	PoE+/12V	✓	✓
Hanwha Techwin	**PNV-A6081R**	**0877940**	2MP	Vandal dome	120ips	4.5-10mm	-	120dB	0.007 lux	5	2 x MicroSD	1 in/1 out	1 in/1 out	PoE+/12V	✓	✓
Hanwha Techwin	**PND-A6081RF**	**0877950**	2MP	Flush dome	120ips	4.5-10mm	-	120dB	0.007 lux	5	2 x MicroSD	1 in/1 out	1 in/1 out	PoE+/12V	✓	✓
Hanwha Techwin	**PND-A6081RV**	**0877960**	2MP	Internal vandal dome	120ips	4.5-10mm	-	120dB	0.007 lux	5	2 x MicroSD	1 in/1 out	1 in/1 out	PoE+/12V	✓	✓
Hanwha Techwin	**PNB-A6001**	**0877970**	2MP	Box	120ips	-	-	120dB	0.007 lux	5	2 x MicroSD	1 in/1 out	1 in/1 out	PoE+/12V	✓	✓
Hanwha Techwin	**XNZ-6320**	**0492380**	1920x1080 (1080p)/2MP	-	-	4.44-142.6mm (Optical 32x)	-	150dB	0.05/0.005 lux	Multiple streaming (up to 10 profiles)	-	✓	2 output	PoE	-	✓
Hanwha Techwin	**TNO-6320E**	**0822960**	1920x1080 (1080p)/2MP	-	-	4.44-142.6mm (Optical 32x)	-	120dB	0.3/0.005/0.003 /0.0005/0.15/0.025 /0.015/0.00025 lux	Multiple streaming (up to 10 profiles)	-	-	1 in/1 out	PoE, 24VAC	-	✓
Hikvision	**DS-MCW406/32G**	**0900710**	2688x1520 2K/4MP	Covert	30ips	-	TDN	-	-	1	✓	✓	-	-	-	✓
VIVOTEK	**SC9133-RTL**	**0900470**	1920x1920/ 3.7MP	Mini Box	30ips	1.47mm	SDN	120dB	0.05 lux	3	-	✓	2 in/1 out	PoE, 12-48VDC/ 24VAC	✓	✓
VIVOTEK	**VC9101**	**0900400**	2560x2048 (QSXGA)/5.2MP	Covert	30ips	1.22mm	SDN	120dB	0.035 lux	3	✓	✓	1 in/1 out	PoE, 12VDC	✓	✓

IP LENSES

Manufacturer	Part No.	Quick Ref.	Product Description
Hanwha Techwin	**SLA-M2890DN**	**0741670**	1/2.8" CS-mount Auto Iris Megapixel Lens
Hanwha Techwin	**SLA-M2890PN**	**0753260**	1/2.8" CS-mount Auto Iris 2MP Lens
Hanwha Techwin	**SLA-T2480**	**0847730**	2MP Remote Head Lens
Hanwha Techwin	**SLA-T2480V**	**0718980**	2MP Remote Head Lens
Hanwha Techwin	**SLA-T4680**	**0719300**	2MP Remote Head Lens
Hanwha Techwin	**SLA-T4680V**	**0847740**	2MP Remote Head Lens
Hanwha Techwin	**SLA-T1080F**	**0399260**	2MP Remote Head Fisheye Lens
Hanwha Techwin	**SLA-M8550D**	**0847760**	1/2.8" CS-mount Auto Iris Varifocal 8.5~50mm lens
Hanwha Techwin	**TAMRON-M13VG550IR**	**0847770**	1/3" CS-mount DC Auto Iris Varifocal 5~50mm Lens

NORBAIN BASICS – TYPES OF CAMERAS

Find out more about what types of cameras you find in most CCTV installations, what each type is best for, where to place them and why.

It's perfect for those looking for an easy-to-follow overview or needing a quick refresher or show it to a customer to support your relationship.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
WISENET THERMAL IMAGING CAMERAS			
Hanwha Techwin	**TNO-4030T**	**0475290**	VGA Thermal camera with 13mm fixed lens
Hanwha Techwin	**TNO-4040T**	**0475300**	VGA Thermal camera with 19mm fixed lens
Hanwha Techwin	**TNO-4041T**	**0475310**	VGA Thermal camera with 19mm fixed lens
Hanwha Techwin	**TNO-4050T**	**0475320**	VGA Thermal camera with 35mm fixed lens
Hanwha Techwin	**TNO-4051T**	**0475330**	VGA Thermal camera with 35mm fixed lens
Hanwha Techwin	**TNO-4030T/INT**	**0575270**	Network Thermal bullet camera with AI-Intrusion-PRO
Hanwha Techwin	**TNO-4040T/INT**	**0575280**	Network Thermal bullet camera with AI-Intrusion-PRO
Hanwha Techwin	**TNO-4050T/INT**	**0575290**	Network Thermal bullet camera with AI-Intrusion-PRO
Hanwha Techwin	**TNU-4041T**	**0573840**	VGA Network Thermal positioning camera with 19mm fixed lens
Hanwha Techwin	**TNU-4051T**	**0573850**	VGA Network Thermal positioning camera with 35mm fixed lens
Hanwha Techwin	**TNO-3010T**	**0647190**	QVGA, Thermal, 2.7mm fixed, PoE, 12/24V, Advanced Analytics, H.265, IP66, IK10
Hanwha Techwin	**TNO-3020T**	**0647200**	QVGA, Thermal, 4.7mm fixed, PoE, 12/24V, Advanced Analytics, H.265, IP66, IK10
Hanwha Techwin	**TNO-3030T**	**0647210**	QVGA, Thermal, 13.7mm fixed, PoE, 12/24V, Advanced Analytics, H.265, IP66, IK10
Hanwha Techwin	**TNO-3040T**	**0900580**	Wisenet T network outdoor thermal bullet camera, QVGA @30ips, 19mm fixed lens (11.5°), triple codec H.265/H.264/MJPEG with WiseStream II, multiple streaming, advanced Video Analytics and sound classification
Hanwha Techwin	**TNO-3050T**	**0900590**	Wisenet T network outdoor thermal bullet camera, QVGA @30ips, 35mm fixed lens (6.3°), triple codec H.265/H.264/MJPEG with WiseStream II, multiple streaming, advanced Video Analytics and sound classification
Hanwha Techwin	**TNO-4030TR**	**0677400**	VGA, Radiometric Thermal, 13mm fixed, PoE, 12/24V, Advanced Analytics, H.265, IP66, IK10
Hanwha Techwin	**TNO-4040TR**	**0575300**	VGA, Radiometric Thermal, 19mm fixed, PoE, 12/24V, Advanced Analytics, H.265, IP66, IK10
Hanwha Techwin	**TNO-4041TR**	**0575320**	VGA, Radiometric Thermal, 19mm fixed, PoE, 12/24V, Advanced Analytics, H.265, IP66, IK10, PT type
HIKVISION THERMAL IMAGING CAMERAS			
Hikvision	**DS-2TP31B-3AUF**	**0640010**	Thermographic Temperature Screening Value handheld camera
Hikvision	**DS-2TP21B-6AVF/W**	**0639980**	Thermographic Temperature Screening Pro handheld camera
Hikvision	**DS-2TD1228-3/QA**	**0886370**	3.6mm Thermal & Optical Bi-Spectrum network turret camera
Hikvision	**DS-2TD2138-10/QY**	**0900660**	9.7mm Thermal network bullet camera
Hikvision	**DS-2TD2138-4/QY**	**0900670**	4.4mm Thermal network bullet camera
Hikvision	**DS-2TD2138-7/QY**	**0900680**	6.5mm Thermal network bullet camera
Hikvision	**DS-2TD2628-3/QA**	**0886380**	3.6mm Thermal & Optical Bi-Spectrum network bullet camera
Hikvision	**DS-2TD2628-7/QA**	**0886390**	6.9mm Thermal & Optical Bi-Spectrum network bullet camera
Hikvision	**DS-2TD2637-10/PI**	**0870710**	9.7mm Thermal & Optical Bi-Spectrum network bullet camera

POCKET-SIZE BUZZ – THERMAL IMAGING CAMERAS

Thanks to a substantial reduction in prices and improvements in technology over recent years, Thermal cameras are now a far more accessible security solution. Take a look to see how they could benefit you and your customers.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Sensitivity	Resolution	Number of Streams	WDR	Alarm I/O	IP/IK Rating	Operating Temp	Power	NDAA Compliant	Secure by Default
	BOSCH IP PTZ DOMES														
	Bosch	**NDP-4502-Z12**	**0335330**	12x	5.3-64mm	0.05/0.01 lux	1920x1080 (1080p)/2MP	4	94dB	2 in/1 out	IP65/IK10	-10 to 55C°	PoE+/24VAC	✓	✓
	Bosch	**NDP-4502-Z12C**	**0406470**	12x	5.3-64mm	0.05/0.01 lux	1920x1080 (1080p)/2MP	4	94dB	2 in/1 out	IP65/IK10	-10 to 55C°	PoE+/24VAC	✓	✓
	Bosch	**NDP-5523-Z20**	**0873550**	20x	6.5-130mm	0.0107/0.0016 lux	2560x1600 (WQXGA)/4.1MP	4	133dB	2 in/1 out	IP66/IK10	-40 to 60C°	PoE+/24VAC	✓	✓
	Bosch	**NDP-5523-Z20C**	**0873560**	20x	6.5-130mm	0.0107/0.0016 lux	2560x1600 (WQXGA)/4.1MP	4	133dB	2 in/1 out	IP51/IK6	-10 to 55C°	PoE+/24VAC	✓	✓
A	Bosch	**NDP-5523-Z30L**	**0873570**	30x	6.6-198mm	0.0101/0 lux	2560x1600 (WQXGA)/4.1MP	4	133dB	2 in/1 out	IP66/IK10	-40 to 60C°	IEEE 802.3bt/24VAC	✓	✓
	Bosch	**NDP-7602-Z30**	**0873680**	30x	4.3-129mm	0.0077/0.0008 lux	1920x1080 (1080p)/2MP	4	120dB	7 in/4 out	IP66/IK10	-40 to 55C°	HiPoE/24VAC	✓	✓
	Bosch	**NDP-7602-Z30-OC**	**0873690**	30x	4.3-129mm	0.0077/0.0008 lux	1920x1080 (1080p)/2MP	4	120dB	7 in/4 out	IP66/IK10	-40 to 55C°	HiPoE/24VAC	✓	✓
	Bosch	**NDP-7512-Z30**	**0635540**	30x	4.3-129mm	0.0077/0.0008 lux	1920x1080 (1080p)/2MP	4	120dB	7 in/4 out	IP66/IK10	-40 to 55C°	HiPoE/24VAC	✓	✓
	Bosch	**NDP-7512-Z30CT**	**0638020**	30x	4.3-129mm	0.0077/0.0008 lux	1920x1080 (1080p)/2MP	4	120dB	7 in/4 out	IP66/IK10	-40 to 55C°	PoE+/24VAC	✓	✓
	Bosch	**NDP-7512-Z30K**	**0646970**	30x	4.3-129mm	0.0077/0.0008 lux	1920x1080 (1080p)/2MP	4	120dB	7 in/4 out	IP66/IK10	-40 to 55C°	HiPoE/24VAC	✓	✓
	BOSCH MIC 7000I SERIES PTZ DOMES														
B	Bosch	**MIC-7522-Z30B**	**0635470**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	5 in/3 out	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	Bosch	**MIC-7522-Z30W**	**0639370**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	5 in/3 out	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	Bosch	**MIC-7522-Z30G**	**0639380**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	5 in/3 out	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	Bosch	**MIC-7522-Z30BR**	**0639390**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	5 in/3 out	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	Bosch	**MIC-7522-Z30WR**	**0639400**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	5 in/3 out	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	Bosch	**MIC-7522-Z30GR**	**0639410**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	5 in/3 out	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	Bosch	**MIC-7602-Z30B**	**0873660**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	-	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
C	Bosch	**MIC-7602-Z30BR-OC**	**0873670**	30x	6.6-198mm	0.0047/0.0013 lux	1920x1080 (1080p)/2MP	4	120dB	-	IP66/IK10	-40 to 65C°	PoE++/24VAC	✓	✓
	BOSCH MIC 9000I SERIES PTZ DOMES														
	Bosch	**MIC-9502-Z30BVF9**	**0899980**	30:1	9mm	0.0077/0008 lux	1920x1080 (1080p)/2MP	4	120dB	-	IP68/IK10	-40 to 65°C	PoE+, 24VAC	-	✓

BOSCH
Invented for life

NDP-5523-Z30L

- 30x, 4MP high detail at fast speeds (60ips)
- Starlight technology with 1/1.8" HD sensor for excellent low-light performance
- HDR X technology with up to 133dB dynamic range and fewer motion-related artifacts
- Combination of 320m (1050ft) IR 850 (nm) + White Light LEDs
- Rain-sensoring wiper for improved images in rain and in dirty urban conditions

Specially designed for covertness, and tuned for applications where surveillance in scenes with changing light levels is necessary, the camera has an integrated 30x optical zoom to identify people at a distance of more than 280m (919ft). The new HDR technology (HDR X) is ideal for PTZ cameras. With the motion-optimised HDR feature, operators can use HDR imaging in scenes with challenging light levels without seeing blur when the cameras is moving.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

BOSCH
Invented for life

MIC-7522-Z30B

- Starlight camera technology with excellent low light sensitivity (colour = 0.0047 lux) and High Dynamic Range (120dB) (to see details in bright and dark areas simultaneously)
- Exceptional strength and ruggedness for any outdoor application including traffic monitoring (bridges, tunnels or highways), perimeter protection, city surveillance, and mining
- Built-in camera trainer to train the camera to recognise user-specified target objects, such as moving and non-moving objects, to alert operators of unusual scene activity
- Edge intelligence with Intelligent Tracking and object detection even when the camera is moving
- Optional illuminator with multispectral LEDs that distribute IR light uniformly in the field (up to 550m (1804.50ft)) to avoid dark spots or an over-illuminated scene

The MIC IP Starlight 7000i camera is an advanced PTZ surveillance platform for mission-critical applications. With Starlight imaging technology and excellent low light sensitivity, the camera is the perfect solution for robust and high quality imaging needs. The camera's ruggedised design meets customer expectations in demanding environments that exceed the capabilities of conventional IP cameras. Even in installations subject to harsh shock/vibration conditions and/or extreme weather, the camera provides high quality video images.

NORBAIN BASICS – CAMERA PLACEMENT

What factors should you take into account when deciding the placement of video surveillance security cameras? And when might you need to think about an alternative solution?

This Norbain Basics video covers Camera Placement and looks at heights, angles and positioning, as well as alternative scenarios.

BOSCH
Invented for life

MIC-7602-Z30BR-OC

- Starlight camera technology with excellent low light sensitivity (colour = 0.0047 lux) and High Dynamic Range (120dB) (to see details in bright and dark areas simultaneously)
- Exceptional strength and ruggedness for any outdoor application including traffic monitoring (bridges, tunnels or highways), perimeter protection, city surveillance and mining
- Built-in camera trainer to train the camera to recognise user-specified target objects, such as moving and non-moving objects, to alert operators of unusual scene activity
- Edge intelligence with Intelligent Tracking and object detection even when the camera is moving
- Optional illuminator with multispectral LEDs that distribute IR light uniformly in the field (up to 550m (1804.50ft)) to avoid dark spots or an over-illuminated scene

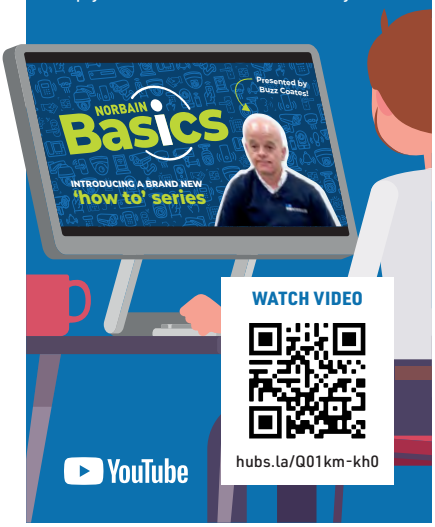
The camera has a powerful, embedded processor with dedicated hardware to support advanced machine learning and neural-network-based Video Analytics. All cameras with this platform have high image quality, built-in Video Analytics, intelligent bit rate management and the highest levels of data security. The platform also gives you the flexibility to customise your camera to your specific requirements. The camera platform integrates with the cloud infrastructure of Security and Safety Things for App management across devices.

NORBAIN BASICS – INTRODUCTION

A new video series for 2022, Norbain Basics supports installers across the security industry!

It's aimed at everyone from industry apprentices to those wanting to broaden or refresh their knowledge.

Covering topics like why we need security, different types of surveillance, intruder and access control, and the essentials of setting up your infrastructure correctly.



All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Resolution	WDR	Alarm I/O	IP/IK Rating	Operating Temp	Power	Power Supply Included	NDAA Compliant	Secure by Default
WISENET IP PTZ DOMES													
Hanwha Techwin	**QNP-6230**	**0847870**	23x	4.44-102.2mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-30 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6230RH**	**0683150**	23x	4.44-102.2mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-50 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6250**	**0887350**	25x	4.44-111mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-10 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6250H**	**0960390**	25x	4.44-111mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6250R**	**0887340**	25x	4.44-111mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6320**	**0891080**	32x	4.44-142.6mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-10 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6320H**	**0990570**	32x	4.44-142.6mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**QNP-6320R**	**0891080**	32x	4.44-142.6mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6040H**	**0707210**	4.3x	2.8-12mm	1920x1080 (1080p)/2MP	150dB	1 in/1 out	IP66/IK10	-30 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6120H**	**0689260**	12x	5.2-62.4mm	1920x1080 (1080p)/2MP	150dB	1 in/1 out	IP66/IK10	-30 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6320H**	**0847900**	32x	4.44-142.6mm	1920x1080 (1080p)/2MP	150dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6371RH**	**0684490**	37x	6-222mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6400**	**0864780**	40x	4.25-170mm	1920x1080 (1080p)/2MP	Extreme	4 in/2 out	IP66/IK10	-40 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6400R**	**0864790**	40x	4.25-170mm	1920x1080 (1080p)/2MP	Extreme	4 in/2 out	IP66/IK10	-40 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6400RW**	**0858230**	40x	4.25-170mm	1920x1080 (1080p)/2MP	150dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-6550RH**	**0573830**	55x	4.75-261.4mm	1920x1080 (1080p)/2MP	120dB	4 in/2 out	IP66/IK10	-35 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-8250**	**0864760**	25x	5-125mm	2560x2048 (QSXGA)/5.2MP	120dB	4 in/2 out	IP66/IK10	-40 to 60°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-8250R**	**0864770**	25x	5-125mm	2560x2048 (QSXGA)/5.2MP	120dB	4 in/2 out	IP66/IK10	-40 to 60°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-8300RW**	**0858770**	30x	5-150mm	2560x2048 (QSXGA)/5.2MP	120dB	-	IP66/IK10	-40 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-9250**	**0864740**	25x	5-125mm	3840x2160 (4K)/8MP	120dB	-	IP66/IK10	-40 to 60°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-9250R**	**0864750**	25x	5-125mm	3840x2160 (4K)/8MP	120dB	-	IP66/IK10	-40 to 60°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**XNP-9300RW**	**0858760**	30x	5-150mm	3840x2160 (4K)/8MP	120dB	-	IP66/IK10	-40 to 55°C	PoE, 24VAC	✓	-	-
Hanwha Techwin	**TNU-6321**	**0879370**	32x	4.44-142.6mm	1920x1080 (1080p)/2MP	120dB	-	IP66/IK10	-40 to 55°C	PoE, 24VAC	✓	-	-

Manufacturer	Part No.	Quick Ref.	Product Description
WISENET IP PTZ DOME ACCESSORIES			
Hanwha Techwin	**SBP-300LM**	**0552140**	Parapet mount
Hanwha Techwin	**SHP-3701F**	**0691500**	Internal in-ceiling housing - clear bubble
Hanwha Techwin	**SHP-3701H**	**0584940**	External IP66 PTZ housing, ivory, aluminium & polycarbonate -58°C
Hanwha Techwin	**SPC-2010**	**0655640**	PTZ/DVR system controller
Hanwha Techwin	**SPC-1010**	**0551970**	PTZ control keyboard

NORBAIN PRESENTS: REDUCING THE COST OF CCTV (HANWHA)

Do your customers ask how they can minimise the total cost of ownership of a video surveillance system?

Hanwha Techwin Europe have put together 14 recommendations to avoid unexpected costs which have not been budgeted for.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Sensitivity	Resolution	Number of Streams	WDR	Alarm I/O	IP/IK Rating	Operating Temp	Power	NDAA Compliant	Secure by Default
HIKVISION IP PTZ DOMES														
Hikvision	**DS-2DE4215IW-DE(T5)**	**0900650**	10-20x	5-75mm	0.005/0.001/0 lux with IR	1920x1080 (1080p)/2MP	3	120dB	1 in/1out	IP66	-30 to 65°C	PoE, 12VDC	-	✓
Hikvision	**DS-2DE4A225IW-DE(S6)**	**0870560**	25x	4.8-120mm	0.005/0.001/0 lux with IR	1920x1080 (1080p)/2MP	3	120dB	2 in/2 out	IP66	-30 to 65°C	PoE, 12VDC	-	✓
Hikvision	**DS-2DF8225IX-AELW(T5)**	**0884450**	21-30x	5.9-147.5mm	0.002/0.0002/0 lux with IR	1920x1080 (1080p)/2MP	3	140dB	7 in/2 out	IP67/ IK10	-40 to 70°C	PoE+, 24VAC	-	✓
Hikvision	**DS-2DF8242IX-AELW(T5)**	**0889700**	31-50x	6.0-252mm	0.001/0.0005/0 lux with IR	1920x1080 (1080p)/2MP	3	140dB	7 in/2 out	IP67/ IK10	-40 to 70°C	PoE+, 24VAC	-	✓
Hikvision	**DS-2DY5225IX-DM(T5)**	**0882070**	21-30x	5.9-147.5mm	0.005/0.001/0 lux with IR	1920x1080 (1080p)/2MP	3	120dB	-	IP66	-40 to 70°C	12VDC	-	✓
Hikvision	**DS-2SE7C144IW-AE(32X/4)(S5)**	**0872520**	31-50x	Panoramic channel: 4mm PTZ channel: 5.9-188.8mm	Panoramic channel: 0.005/0 lux with IR PTZ channel: 0.005/0.001/0 lux with IR	2560x1440/4MP	3	120dB	2 in/1 out	IP66/ IK10	-30 to 65°C	PoE+, 24VAC	-	✓
Hikvision	**DS-2DE4A425IW-DE(S6)**	**0871640**	25:1	4.8-120mm	0.005/0.001/0 lux with IR	2560x1440/4MP	3	120dB	2 in/2 out	IP66	-30 to 65°C	PoE, 12VDC	-	✓
Hikvision	**DS-2DF9C435IHS-DLW(T2)**	**0810660**	35:1	5.9-206.5mm	0.0005/0.0001/0 lux with IR	2688x1520/4MP	3	140dB	7 in/2 out	IP67	-40 to 70°C	36VDC	-	✓
Hikvision	**DS-2DE3A400BW-DE/W(F1)(S5)(B)**	**0889860**	<10x	4mm	0.0005/0 lux with IR	2560x1440/4MP	3	120dB	1 in/1 out	IP66	-30 to 65°C	PoE, 12VDC	-	✓
Hikvision	**DS-2DE4425IW-DE(T5)**	**0882150**	21-30x	4.8-120mm	0.005/0.001/0 lux with IR	2560x1440/4MP	3	120dB	1 in/1 out	IP66	-30 to 65°C	PoE, 12VDC	-	✓
Hikvision	**DS-2DE5425IW-AE(T5)**	**0886990**	21-30x	4.8-120mm	0.005/0.001/0 lux with IR	2560x1440/4MP	3	120dB	2 in/1 out	IP66	-30 to 65°C	PoE, 24VAC	-	✓
Hikvision	**DS-2DF8C442IXS-AELW(T5)**	**0884460**	31-50x	6-252mm	0.001/0.0005/0 lux with IR	2560x1440/4MP	3	140dB	7 in/2 out	IP67	-40 to 70°C	PoE, 24VAC	-	✓
Hikvision	**DS-2DF8C842IXS-AELW(T5)**	**0882440**	31-50x	7.5-315mm	0.002/0.0002/0 lux with IR	3840x2160 (4K)/8MP	3	140dB	7 in/2 out	IP67	-40 to 70°C	PoE+, 24VAC	-	✓
Hikvision	**DS-2DP3236ZIXS-D/440(F0)(P4)**	**0886440**	16-40x	Panoramic channel 2.8 mm; PTZ channel 6-240mm	Panoramic channel: 0.0005/0.0001 lux PTZ channel: 0.0005/0.0001/0 lux with IR	2560x1600 (WQXGA)/4.1MP	3	120dB	7 in/2 out	IP67/ IK10	-40 to 70°C	15-28VAC/DC	-	✓
HONEYWELL IP PTZ DOMES														
Honeywell	**HC35WZ2R25**	**0900170**	25:1	5-125mm	0.005/0 lux	1920x1080 (1080p)/2MP	3	120dB	2 in/2 out	IP67/ IK10	-40 to 60°C	PoE+, 24VAC	✓	✓
Honeywell	**HC35WZ5R30**	**0900180**	30:1	5.3-159mm	0.005/0. lux	2560x2048 (QSXGA)/5.2MP	3	120dB	2 in/2 out	IP67/ IK10	-40 to 60°C	PoE+, 24VAC	✓	✓
Honeywell	**HC60WZ2E30**	**0878680**	30:1	4.3-129mm	0.1 lux	2MP	3	120dB	4 in/2 out	IP68/ IK10/NE-MAX4X	-40 to 60°C	24V/802.3bt Class 6	✓	✓

Manufacturer	Part No.	Quick Ref.	Product Description
HONEYWELL IP PTZ DOME ACCESSORIES			
Honeywell	**HA60CNMZ**	**0878710**	Series 60 PTZ corner mount bracket, white
Honeywell	**HA60POEZ**	**0878720**	Series 60 UPoE injector
Honeywell	**HA60JCBH1**	**0878730**	Series 60 dome junction box

Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Sensitivity	Resolution	Number of Streams	WDR	Alarm I/O	IP/IK Rating	Operating Temp	Power	NDAA Compliant	Secure by Default
IDIS IP PTZ DOMES														
IDIS	**DC-S6283HRXL-A**	**0886160**	36:1	6-216mm	0.1/0 lux (IR LED on)	1920x1080 (1080p)/2MP	4	WDR 120dB	8 in/2 out	IP66/ IK10	-40 to 60°C	PoE+, 24VAC	-	✓
IDIS	**DC-S6261X-A**	**0899640**	12:1	5.3-64mm	0.1/0.01 lux	1920x1080 (1080p)/2MP	4	120dB	1 in/1 out	-	-10 to 50°C	PoE, 12VDC	✓	-
IDIS	**DC-S6286HRXL-A**	**0900510**	36:1	6-216mm	0.02/0 lux with IR	1920x1080 (1080p)/2MP	4	120dB	8 in/2 out	IK10/ IP66	-40 to 60°C	PoE, 24VAC	✓	-
IDIS	**DC-S3583HRX**	**0873510**	31:1	6.5-202mm	0.1/0 lux (IR LED on)	2592x1944/5MP	4	WDR 120dB	8 in/2 out	IP66/ IK10	-40 to 60°C	PoE+, 24VAC	-	✓
IDIS	**DC-S6681HRX**	**0894630**	31:1	6.5-202mm	0.1/0 lux with IR	3328x1872/6MP	4	120dB	1 in/1 out	IK10	-40 to 55°C	PoE, 24VAC	✓	-
IDIS	**DC-S3883HRX**	**0873520**	31:1	6.5-202mm	0.1/0 lux with IR	3840x2160 (4K)/8MP	4	WDR 120dB	8 in/2 out	IP66/ IK10	-40 to 60°C	PoE+, 24VAC	-	✓
IDIS	**DC-S6881HRX**	**0894640**	31:1	6.5-202mm	0.1/0 lux with IR	3840x2160 (4K)/8MP	4	120dB	1 in/1 out	IK10	-40 to 55°C	PoE, 24VAC	✓	-

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	Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Sensitivity	Resolution	Number of Streams	WDR	Alarm I/O	IP/IK Rating	Operating Temp	Power	NDAA Compliant	Secure by Default
VISTA IP PTZ DOMES															
A	Vista	**VK2-4KX30IR-PM**	**0494720**	30:1	6-180mm	0.75/0 lux with IR	3840x2160 (4K) 8MP	4	120dB	4 in/1 out	IP66	-10 to 50°C	PoE, 12VDC	-	✓
B	Vista	**VK2-HDX20-SMW**	**0498870**	20:1	4.7-94mm	0.2/0.01 lux	1920x1080 (1080p)/2MP	4	120dB	4 in/1 out	IP66/IK10	-10 to 50°C	PoE, 12VDC	-	✓
C	Vista	**VMI-2MPX23IR-SMW**	**0891350**	23:1	5-117mm	0.002/0 lux	1920x1080 (1080p)/2MP	3	120dB	1 in/1 out	IP66/IK10	-40 to 60°C	PoE, 12VDC	✓	-
VIVOTEK IP PTZ DOMES															
	VIVOTEK	**SD9368-EHL**	**0900390**	40:1	4.25-170mm	0.005/0 lux with IR	1920x1080 (1080p)/2MP	3	120dB	2 in/1 out	IP66/IK10	-40 to 60°C	PoE+, 21-30VAC	✓	✓
	VIVOTEK	**SD9384-EHL**	**0888040**	30:1	4.94-148.24mm	0.005/0 lux with IR	2560x2048 (QSXGA)/5.2MP	3	120dB	2 in/1 out	IP66/IK10	-40 to 60°C	PoE+, 21-30VAC	✓	✓

vista STARVIS

VK2-4KX30IR-PM

- 4K (8MP) 30x PTZ camera
- Up to 300m IR Illumination
- 4 alarm inputs
- 120dB True WDR
- H.264/H.265 quad streaming
- ONVIF compliant

The VK2-4KX30IR-PM 4K (8MP) IP PTZ dome packs an impressive level of features and functionality into its robust but aesthetically designed housing. The 1/1.7" Sony STARVIS CMOS chip set allows the dome to produce extremely high quality images even in very poorly illuminated scenes. The combination of the long range 30:1 zoom lens, 8MP resolution and zoom tracking 300m IR illumination means that the dome produces stunning ultra high definition images, making it ideal for high-end applications such as perimeter protection, town centres and car parking. Additional features include True WDR (120dB), advanced video analytics including intelligent motion, intrusion, tampering, line crossing, loitering and human shape detection.

POCKET-SIZE BUZZ – PVMS

Public Viewing Monitors can provide businesses with an effective way to discourage unwanted behaviour. And the decoder models also display advertising or customer information at the same time.

No wonder we're seeing these little beauties popping up all over town!

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

B

vista STARVIS

VK2-HDX20-SMW

- 2MP 20:1 Vandal PTZ
- Compact IK10 housing
- 4 alarm inputs
- 120dB True WDR
- H.264/H.265 quad streaming

The VK2-HDX20-SMW is a discreet PTZ vandal resistant dome offering 20:1 optical zoom, full HD 1080p/60ips resolution. In addition the camera can offer 4 individually configurable video streams in either H.265, H.264 or MJPEG formats. The domes use Sony STARVIS CMOS sensor for exceptional low light performance and, when combined with the True WDR functionality it provides exceptional quality images both day and night. Additional features include True WDR (120dB), 4 alarm inputs, 2 way audio and the ability to record directly to a MicroSD card. The robust, small and aesthetically designed housing makes the camera ideal for multiple applications. The camera is ONVIF compliant and fully compatible with Vista's range of NVRs and VIPER Central control software, as well as many 3rd party manufacturers' NVRs and VMS software.

vista TRUSTED SECURITY SOLUTIONS

VISTA VIDEOS

We've put together lots of useful information about our Vista CCTV range, including the newly launching Vista Essentials Range and our Public Viewing Monitor Range.

All of our content is designed to help you increase profit margins, enhance efficiency and, where possible, create recurring revenue streams.

C

vista STARVIS

VMI-2MPX23IR-SMW

- 2MP (1920x1080) resolution
- 23x optical zoom
- Up to 160m IR
- H.265+/H.265(HEVC)/H.264+/H.264/MJPEG
- ONVIF compliant
- Designed to meet NDAA requirements

Vista's 23x IP PTZ camera has been designed to meet the latest National Defence Authorisation Act (NDAA) requirements making it ideal for public sector, government or large enterprise projects. The camera is not short on other features either, including 0.001 lux Starlight technology to give detailed coloured images even in low light, WDR to 120dB and adaptive Smart IR II technology with high and low beams to give IR coverage for distances up to 160m. With a sophisticated pan/tilt mechanism, the PTZ provides fast, precise movement with 360° endless pan -5 to 90° (auto flip), with a pan speed of 450°/second and tilt of 360°/s. An embedded AI engine provides intelligent VCA modes to filter human or vehicle objects and behaviour including Region Exit & Entrance, Line Crossing, Loitering, object left & removed as well as people counting.

vista TRUSTED SECURITY SOLUTIONS

VISTA ESSENTIAL RANGE

In this video, Vista talks about their new essential range.

The range includes:

- Patch leads
- RJ45 connectors
- Boots
- Crimp tools
- Patch panels
- Cable tester

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA IP SM PTZ DOME ACCESSORIES			
Vista	**DJBW**	**0811180**	Dome junction box, white
Vista	**VPL-SM-FMW**	**0508680**	Flush mount bracket for SM PTZ camera (not VK2-HDX23IR-SM), white
Vista	**VCW-EWMB**	**0815480**	External wall mount bracket for SM PTZ cameras, white
Vista	**VDM-WMVRD**	**0366950**	External wall mount bracket for SM PTZ cameras, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-ECMAW**	**0718920**	External corner mount adaptor, white
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VPL-IPMAW**	**0718900**	Internal pendant mount adaptor for SM PTZ cameras, white
Vista	**VRD-EPMBW**	**0811200**	External pendant mount bracket 0.5m for SM PTZ cameras, white
Vista	**VDM-EPMAW**	**0718930**	External pole mount adaptor, white
Vista	**VRD-TMW**	**0811210**	Swan neck tower mount for SM PTZ cameras, white
Vista	**VRD-TMJBW**	**0811220**	Swan neck tower mount with junction box for SM PTZ cameras, white

vista

SURFACE MOUNT PTZ CAMERAS

The following styles of camera are compatible with the bracketry shown here:

A) VK2-HD20-SMW
A) VP-HDA20-SMW
B) VK2-HDX23IR-SMW
B) VP-HDA20IR-SMW

SOLID CEILING MOUNT

DJBW
(0811180)

FALSE CEILING MOUNT

VPL-SM-FMW
(0508680)

(A only)

WALL MOUNT

VCW-EWMB
(0815480)

WALL MOUNT WITH J. BOX

VDM-WMVRD
(0366950)

+

VDM-WMJB
(0366930)

CORNER MOUNT

See
Wall Mount with J. Box

+

VDM-ECMAW
(0718920)

SIDE POLE MOUNT

See
Wall Mount with J. Box

+

VDM-EPMAW
(0718930)

SWAN NECK

VRD-TMW
(0811210)

OR

VRD-TMJBW
(0811220)
with integral junction box

PENDANT (FIXED LENGTH)

VRD-EPMBW
(0811200)
length 500mm

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

+

VDM-2MP(VW)
(0476060)
2m pole

+

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

VPL-IPMAW
(0718900)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA IP PM PTZ DOME ACCESSORIES			
Vista	**VDM-WMVP**	**0366940**	External wall mount bracket for PM PTZ cameras, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-ECMAW**	**0718920**	External corner mount adaptor, white
Vista	**VPP-IPMB250**	**0472170**	Internal pendant mount bracket 250mm drop for PM PTZ cameras
Vista	**VPP-IPMB500**	**0472180**	Internal pendant mount bracket 500mm drop for PM PTZ cameras
Vista	**VPP-IPMB1000**	**0472190**	Internal pendant mount bracket 1000mm drop for PM PTZ cameras
Vista	**VPP-IPMB2000**	**0472200**	Internal pendant mount bracket 2000mm drop for PM PTZ cameras
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VDM-EPMAW**	**0718930**	External pole mount adaptor, white
Vista	**VPP-IPMAW**	**0663570**	Internal pendant mount adaptor for PM PTZ cameras, white
Vista	**VDM-TM(VW)**	**0476340**	Swan neck tower mount for PM PTZ cameras, white
Vista	**VDM-TMJB(VW)**	**0476350**	Swan neck tower mount with junction box for PM PTZ cameras, white
VISTA VMI PTZ ACCESSORIES			
Vista	**VMI-ECM**	**0891870**	Corner bracket, white
Vista	**VMI-JB1**	**0891860**	Junction box, white
Vista	**VMI-PM**	**0891890**	Pole mount, white
Vista	**VMI-WM**	**0891880**	Wall bracket, white

vista

PENDANT MOUNT PTZ CAMERAS

The following style of camera is compatible with the bracketry shown here:

A) VK2-4KX30IR-PM
B) VP-HDA30IR-PMW

A

B

WALL MOUNT

VDM-WMVP
(0366940)

WALL MOUNT WITH J. BOX

VDM-WMVP
(0366940)

+

VDM-WMJB
(0366930)

CORNER MOUNT

See
Wall Mount
or
Wall Mount with J. Box

+

VDM-ECMAW
(0718920)

SIDE POLE MOUNT

See
Wall Mount
or
Wall Mount with J. Box

+

VDM-EPMAW
(0718930)

SWAN NECK

VDM-TM(VW)
(0476340)

OR

VDM-TMJB(VW)
(0476350)
with integral junction box

PENDANT (FIXED LENGTH)

VPP-IPMB250 (0472170)
length 250mm
OR
VPP-IPMB500 (0472180)
length 500mm
OR
VPP-IPMB1000 (0472190)
length 1000mm
OR
VPP-IPMB2000 (0472200)
length 2000mm

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

+

VDM-2MP(VW)
(0476060)
2m pole

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

+

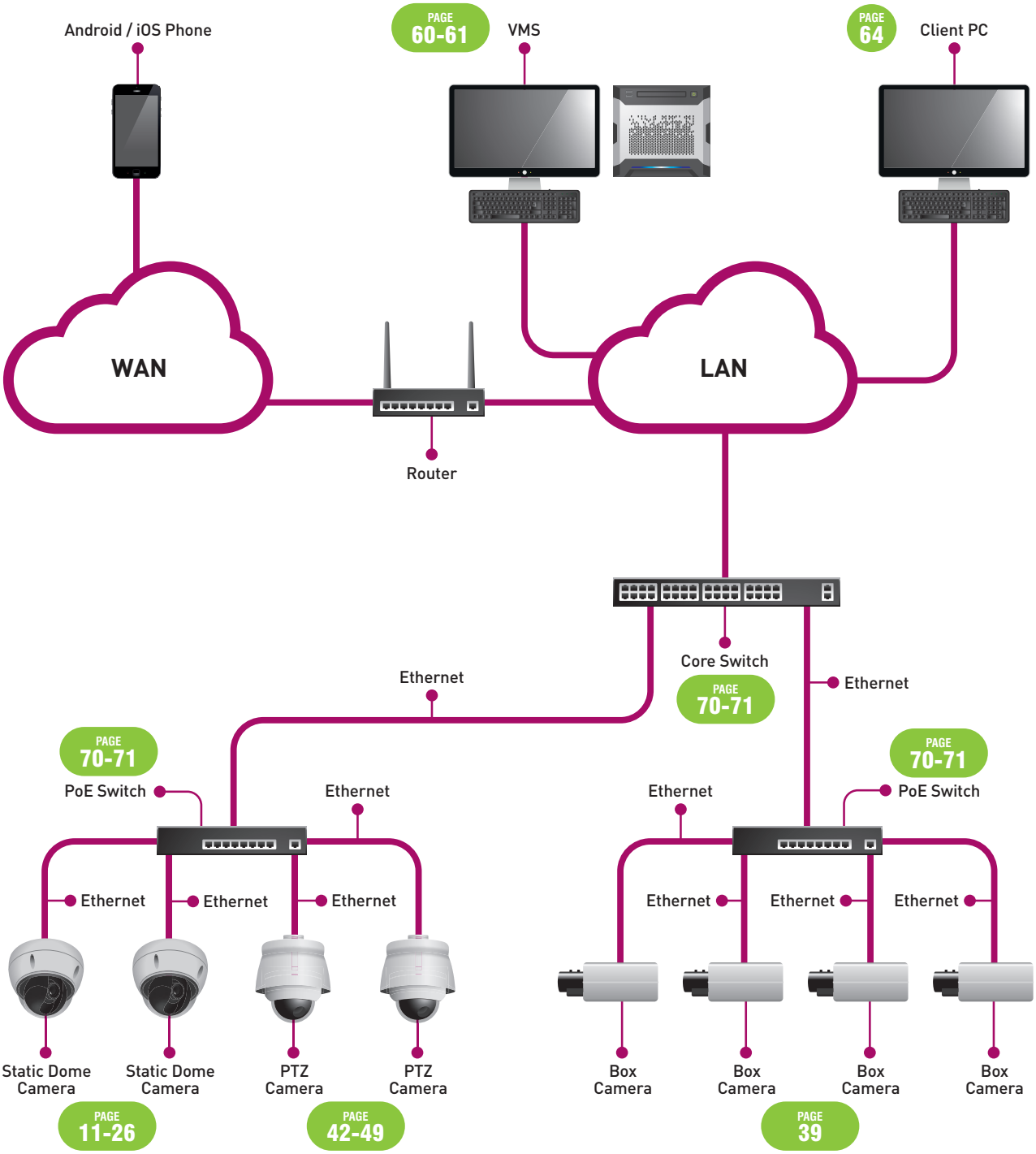
VPP-IPMAW
(0663570)

Manufacturer	Part No.	Quick Ref.	Product Description
BODY WORN CAMERAS			
Hikvision	**DS-MDS003/2T/8**	**0871980**	Wall mount 8 ports 2T Dock Station
Hikvision	**DS-MDS003-E**	**0872000**	DockStation Expanded 8 slots (assembly with MDS003)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

IP RECORDING

The below schematic shows an IP CCTV camera system using a server based VMS (Video Management System) with a Client PC. In addition, the schematic takes into account the use of Edge PoE (Power over Ethernet) switches to overcome network cable distance restrictions of 100m max. The system also includes a router for external access to and from the internet or mobile applications.



IP RECORDING
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	Manufacturer	Part No.	Quick Ref.	Preinstalled Licences	Maximum Channels (inc. PoE)	Storage (Fitted)	Storage (Max.)	External Storage	Recording Throughput	Local Display Monitor Outputs	Remote Keyboard	Infrared Remote Control	360° Fisheye Dewarping	Analytics Support	Alarm I/O	NDAA Compliant	Secure by Default
NVRS - 4 CAMERA STREAM																	
	Hanwha Techwin	**QRN-420S**	**0647220**	-	4 (4 PoE)	0TB	8TB	-	64Mbps	HDMi/VGA	-	✓	Local	-	4 in/2 out	-	✓
	Hanwha Techwin	**XRN-420S**	**0887550**	-	4 (4 PoE)	-	6TB	-	50Mbps	HDMi/VGA	-	✓	Local	-	4 in/2 out	✓	✓
	Hikvision	**DS-7604NI-K1/4P(C)**	**0868010**	-	4 (4 PoE)	-	8TB	-	40Mbps	HDMi/VGA	✓	-	Local	✓	4 in/1 out	-	✓
	IDIS	**DR-2504P**	**0893190**	✓	4 PoE	2TB	10TB x 2ea	✓	70Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	✓	-
A	Vista	**VL-04NVR**	**0887760**	No Licences required	4 PoE	0TB	18TB	-	40Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-04NVR-1TB**	**0892750**	No Licences required	4 PoE	1TB	18TB	-	40Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-04NVR-2TB**	**0892760**	No Licences required	4 PoE	2TB	18TB	-	40Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-04NVR-4TB**	**0892770**	No Licences required	4 PoE	4TB	18TB	-	40Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-04NVR-6TB**	**0892780**	No Licences required	4 PoE	6TB	18TB	-	40Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VIPER-H5S-04-000**	**0394450**	No Licences required	4 (4 PoE)	0TB	32TB (2x 16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	-	-
	Vista	**VIPER-H5S-04-1TB**	**0394480**	No Licences required	4 (4 PoE)	1TB	32TB (2x 16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	-	-
	Vista	**VIPER-H5S-04-2TB**	**0394490**	No Licences required	4 (4 PoE)	2TB	32TB (2x 16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	-	-
	Vista	**VIPER-H5S-04-4TB**	**0394500**	No Licences required	4 (4 PoE)	4TB	32TB (2x 16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	-	-
	Vista	**VIPER-H5S-04-6TB**	**0649190**	No Licences required	4 (4 PoE)	6TB	32TB (2x 16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	-	-
	VIVOTEK	**ND9213P,EU(4CH)**	**0900380**	4	4 PoE	HDD not pre-installed - needs to be purchased seperately	20TB	✓	64Mbps	HDMi/VGA	✓	-	Local	✓	4 in/2 out	✓	✓
NVRS - 8 CAMERA STREAM																	
	Hanwha Techwin	**QRN-820S**	**0647230**	-	8 (8 PoE)	0TB	6TB	-	80Mbps	HDMi	-	✓	Local	-	-	-	✓
	Hanwha Techwin	**XRN-820S**	**0889930**	-	8 (8 PoE)	-	6TB	-	120Mbps	HDMi/VGA	-	✓	Local	-	4 in/2 out	✓	✓
	Hikvision	**DS-7608NI-K2/8P**	**0788020**	-	8 (8 PoE)	-	10TB	-	80Mbps	HDMi/VGA	-	-	-	-	4 in/1 out	-	✓
	Hikvision	**DS-7608NI-I2/8P/UK/CVBS**	**0868590**	-	8 (8 PoE)	-	20TB (2x10TB)	-	80Mbps	HDMi/VGA	-	-	Local	✓	4 in/1 out	-	✓

A

vista

VISTA VL-04 SERIES NVR

- NDAA compliant
- Plug & Play
- Available in 4/8 & 16 channels
- PoE supported across all channels
- Supports ONVIF
- Recording retention function supported

Vista's VL Series NVRs (and accompanying IP cameras) are fully NDAA compliant, becoming a popular requirement for those wanting one solution to satisfy all requirements or projects and especially suited to Government and Defence projects. With ONVIF support provided by the VL-NVRs, compatibility with the full Vista range of existing VK2 IP cameras (non-NDAA) is assured, making the Vista VL NVR range ideal in both NDAA and non-NDAA scenarios. Provides support for individual camera resolutions at real time (25ips) up to 8MP (VL-16NVR) and 6MP (VL-4/8NVR), on-board 4/8/16 PoE 802.1 AF/AT class ports (respectively). Android/Apple mobile App and PC-based free of charge VMS software allows seamless management of VL-Series NVRs and forthcoming DVRs across multiple sites and provides rich feature set that is both easy to use and configure. User friendly menus - Instant playback at 5 secs, 10 secs, 30 secs, 1 min and 5 mins are just two mouse clicks away, push notifications of alarm input, motion detection and any AI events such as line crossing to Mobile App.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Preinstalled Licences	Maximum Channels (inc. PoE)	Storage (Fitted)	Storage (Max.)	External Storage	Recording Throughput	Local Display Monitor Outputs	Remote Keyboard	Infrared Remote Control	360° Fisheye Dewarping	Analytics Support	Alarm I/O	NDAA Compliant	Secure by Default
NVRS - 8 CAMERA STREAM CONTINUED																
Honeywell	**63021510**	**0074450**	✓	8 Fitted, 16 w Lic (0 PoE)	4TB	40TB (2x10TB)	-	160Mbps	✓	-	-	✓	✓	8 in/4 out	-	✓
Honeywell	**HN30080200**	**0861990**	✓	8 Channels (120W)	0TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
Honeywell	**HN30080204**	**0878590**	✓	8 Channels (120W)	4TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
Honeywell	**HN30080208E**	**0878610**	✓	8 Channels (120W)	8TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
IDIS	**DR-2508P**	**0900530**	✓	8	2TB	10TBx2, max 20TB	✓	140Mbps	HDMi	✓	-	Client	-	Local (NVR): 4/1 IP camera: 8/8 (depending on IP camera)	✓	-
Vista	**VIPER-H5S-08-000**	**0394460**	-	8 (8 PoE)	0TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	8 in (8IP)/1 out	-	✓
Vista	**VIPER-H5S-08-2TB**	**0394510**	-	8 (8 PoE)	2TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	8 in (8IP)/1 out	-	✓
Vista	**VIPER-H5S-08-4TB**	**0394520**	-	8 (8 PoE)	4TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	8 in (8IP)/1 out	-	✓
Vista	**VIPER-H5S-08-6TB**	**0394530**	-	8 (8 PoE)	6TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	8 in (8IP)/1 out	-	✓
Vista	**VIPER-H5S-08-8TB**	**0394540**	-	8 (8 PoE)	8TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	8 in (8IP)/1 out	-	✓
B Vista	**VL-08NVR**	**0887770**	-	8 (8 PoE)	-	18TB	-	80Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
Vista	**VL-08NVR-2TB**	**0892790**	-	8 (8 PoE)	2TB	18TB	-	80Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
Vista	**VL-08NVR-4TB**	**0892800**	-	8 (8 PoE)	4TB	18TB	-	80Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
Vista	**VL-08NVR-6TB**	**0892810**	-	8 (8 PoE)	6TB	18TB	-	80Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
Vista	**VL-08NVR-8TB**	**0892820**	-	8 (8 PoE)	8TB	18TB	-	80Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
Vista	**VL-08NVR-10TB**	**0892830**	-	8 (8 PoE)	10TB	18TB	-	80Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
VIVOTEK	**ND9312,UKB,(8CH)**	**0642870**	8	8 (0 PoE)	-	16TB	-	48Mbps	HDMi	✓	-	Local	-	-	-	✓

B

vista

VISTA VL-08 SERIES NVRS

- NDAA compliant
- Plug & Play
- Available in 4/8 & 16 channels
- PoE supported across all channels
- Supports ONVIF
- Recording retention function supported

Vista's VL Series NVRs (and accompanying IP cameras) are fully NDAA compliant, becoming a popular requirement for those wanting one solution to satisfy all requirements or projects and especially suited to Government and Defence projects. With ONVIF support provided by the VL-NVRs, compatibility with the full Vista range of existing VK2 IP cameras (non-NDAA) is assured, making the Vista VL NVR range ideal in both NDAA and non-NDAA scenarios. Provides support for individual camera resolutions at real time (25ips) up to 8MP (VL-16NVR) and 6MP (VL-4/8NVR), on-board 4/8/16 PoE 802.1 AF/AT class ports (respectively). Android/Apple mobile App and PC-based free of charge VMS software allows seamless management of VL-Series NVRs and forthcoming DVRs across multiple sites and provides rich feature set that is both easy to use and configure. User friendly menus - Instant playback at 5 secs, 10 secs, 30 secs, 1 min and 5 mins are just two mouse clicks away, push notifications of alarm input, motion detection and any AI events such as line crossing to Mobile App.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Preinstalled Licences	Maximum Channels (inc. PoE)	Storage (Fitted)	Storage (Max.)	External Storage	Recording Throughput	Local Display Monitor Outputs	Remote Keyboard	Infrared Remote Control	360° Fisheye Dewarping	Analytics Support	Alarm I/O	NDAA Compliant	Secure by Default
NVRS - 16 CAMERA STREAM																	
	Hanwha Techwin	**QRN-1620S**	**0647240**	-	16 (16 PoE)	0TB	12TB	-	128Mbps	HDMi	-	✓	Local	-	-	-	✓
	Hanwha Techwin	**TRM-1610S**	**0847950**	-	16 (4 PoE)	0TB	4TB	-	128Mbps	HDMi/VGA	-	-	Local	-	16 in/6 out	-	✓
	Hanwha Techwin	**TRM-1610M**	**0847960**	-	16 (4 PoE)	0TB	4TB	-	128Mbps	HDMi/VGA	-	-	Local	-	16 in/6 out	-	✓
	Hanwha Techwin	**PRN-1605B2**	**0887200**	-	16 (0 PoE)	-	-	-	-	-	-	-	-	-	-	-	-
	Hanwha Techwin	**XRN-1620B2**	**0882500**	-	16 (0 PoE)	-	80TB	-	140Mbps	HDMi/VGA	✓	✓	Local	-	4 in/2 out	✓	✓
	Hanwha Techwin	**XRN-1620SB1**	**0879300**	-	16 (16 PoE)	-	24TB	-	140Mbps	HDMi/VGA	✓	✓	Local	-	4 in/2 out	✓	✓
	Hikvision	**DS-7616NI-K2/16P**	**0788040**	16	16 (16 PoE)	-	10TB	-	160Mbps	HDMi/VGA/ CVBS	-	-	-	-	4 in/1 out	-	✓
	Hikvision	**DS-7716NI-I4/16P(B)**	**0572790**	16	16 (16 PoE)	-	10TB	-	256Mbps	HDMi/ VGA/BNC	-	-	Local	-	16 in/4 out	-	✓
	Hikvision	**DS-7616NI-I2/16P/UK/CVBS**	**0868660**	-	16 (16 PoE)	-	16TB (2x8TB)	-	160Mbps	HDMi/VGA	✓	-	Local	✓	4 in/1 out	-	✓
	Hikvision	**DS-7716NI-I4(B)**	**0572390**	-	16 (0 PoE)	-	40TB (4x10TB)	✓	160Mbps	HDMi/VGA	✓	-	Local	✓	16 in/8 out	-	✓
	Hikvision	**iDS-7716NXI-I4/16P/X(C)**	**0871580**	-	16 (16 PoE)	-	40TB (4x10TB)	✓	320Mbps	HDMi/VGA	✓	-	Local	✓	16 in/8 out	-	✓
	Honeywell	**60041810**	**0878540**	✓	16 (0 PoE)	10TB	30TB (3x10TB)	-	160Mbps	✓	-	-	✓	✓	8 in/4 out	-	✓
	Honeywell	**63041810**	**0576020**	✓	16 (0 PoE)	10TB	40TB (4x10TB)	-	160Mbps	✓	-	-	✓	✓	8 in/4 out	-	✓
	Honeywell	**HN30160200**	**0862000**	✓	16 (200W total)	0TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
A	Honeywell	**HN30160208**	**0878600**	✓	16 (200W total)	8TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
	Honeywell	**HN30160208E**	**0878620**	✓	16 (200W total)	8TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
	Honeywell	**HN30160216E**	**0878630**	✓	16 (200W total)	16TB	20TB (2x10TB)	-	128Mbps	✓	-	-	✓ (S30 Fisheye)	✓	4 in/1 out	✓	✓
	IDIS	**DR-6316PS-SA**	**0869960**	No Licences required	16	2TB	60TB	✓	180Mbps	HDMi/VGA	✓	✓	Client	✓	4 in/1 out	-	✓
	IDIS	**DR-2516P**	**0892000**	✓	8	2TB	10TB x 2, max 20TB	✓	180Mbps	HDMi	✓	-	Client	-	Local(NVR): 4/1 IP camera: 16/16 (depending on IP camera)	✓	-
	Vista	**VIPER-H5S-16-000**	**0394470**	-	16 (16 PoE)	0TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	16 in (16 IP)/1 out	-	✓
	Vista	**VIPER-H5S-16-4TB**	**0394550**	-	16 (16 PoE)	4TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	16 in (16 IP)/1 out	-	✓
	Vista	**VIPER-H5S-16-6TB**	**0394560**	-	16 (16 PoE)	6TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	16 in (16 IP)/1 out	-	✓
	Vista	**VIPER-H5S-16-8TB**	**0394570**	-	16 (16 PoE)	8TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	16 in (16 IP)/1 out	-	✓
	Vista	**VIPER-H5S-16-12TB**	**0394580**	-	16 (16 PoE)	12TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	16 in (16 IP)/1 out	-	✓
	Vista	**VIPER-H5S-16-16TB**	**0394590**	-	16 (16 PoE)	16TB	32TB (2x16TB)	✓	256Mbps	HDMi/VGA	✓	-	Client	-	16 in (16 IP)/1 out	-	✓
B	Vista	**VL-16NVR**	**0873960**	-	16 (16 PoE)	-	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-2TB**	**0892840**	-	16 (16 PoE)	2TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-4TB**	**0892850**	-	16 (16 PoE)	4TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-6TB**	**0892860**	-	16 (16 PoE)	6TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-8TB**	**0892870**	-	16 (16 PoE)	8TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-10TB**	**0892880**	-	16 (16 PoE)	10TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-12TB**	**0892890**	-	16 (16 PoE)	12TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-16TB**	**0892900**	-	16 (16 PoE)	16TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	Vista	**VL-16NVR-18TB**	**0892910**	-	16 (16 PoE)	18TB	36TB (2x18TB)	-	96Mbps	HDMi/VGA	-	-	-	✓	Avaliable separately	✓	-
	VIVOTEK	**ND9425P(16CH)**	**0876940**	16	16 (16 PoE)	-	28TB	✓	64Mbps	HDMi/VGA	✓	-	Client	-	4 in/1 out	✓	✓

Honeywell

A HN30160208

- 16 Channel with 8TB NVR
- NDAA and Secure by Default compliance
- Supports Series 30 & 60 cameras
- 2x HDD bays
- 340W PoE allocation
- USB input for mouse & keyboard

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

B

vista

VISTA VL-16 SERIES NVRS

- NDAA compliant
- Plug & Play
- Available in 4, 8 & 16 channels
- PoE supported across channels
- Supports ONVIF
- Recording retention function supported

Vista's VL-16 Series NVRs (and accompanying IP cameras) are fully NDAA compliant, becoming a popular requirement for those wanting one solution to satisfy all requirements or projects and especially suited to Government and Defence projects. With ONVIF support provided by the VL-NVRs, compatibility with the full Vista range of existing VK2 IP cameras (non-NDAA) is assured, making the Vista VL NVR range ideal in both NDAA and non-NDAA scenarios. Provides support for individual camera resolutions at real time (25ips) up to 8MP (VL-16NVR) and 6MP (VL-4/8NVR), on-board 4/8/16 PoE 802.1 AF/AT class ports (respectively). Android/Apple mobile App and PC-based free of charge VMS software allows seamless management of VL-Series NVRs and forthcoming DVRs across multiple sites and provides rich feature set that is both easy to use and configure. User friendly menus - Instant playback at 5 secs, 10 secs, 30 secs, 1 min and 5 mins are just two mouse clicks away, push notifications of alarm input, motion detection and any AI events such as line crossing to Mobile App.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Preinstalled Licences	Maximum Channels (inc. PoE)	Storage (Fitted)	Storage (Max.)	External Storage	Recording Throughput	Local Display Monitor Outputs	Remote Keyboard	Infrared Remote Control	360° Fisheye Dewarping	Analytics Support	Alarm I/O	NDAA Compliant	Secure by Default
NVRS - 32 CAMERA STREAM																
Hanwha Techwin	**XRN-3210B4**	**0865130**	32	32	-	10x10TB (160TB)	✓	400Mbps	2 x HDMi	✓	-	✓	✓	8 in/4 out	✓	-
Hanwha Techwin	**PRN-3205B2**	**0887190**	-	32 (0 PoE)	0TB	80TB	-	400Mbps	HDMi	✓	✓	Local	-	8 in/4 out	✓	✓
Hanwha Techwin	**PRN-3205B4**	**0880630**	-	32 (0 PoE)	0TB	160TB	-	400Mbps	HDMi	✓	✓	Local	-	8 in/4 out	✓	✓
Hanwha Techwin	**XRN-3210B2**	**0888380**	-	32 (0 PoE)	0TB	80TB	-	400Mbps	HDMi	✓	✓	Local	-	8 in/4 out	✓	✓
Hanwha Techwin	**XRN-3210RB2**	**0890180**	-	32 (0 PoE)	0TB	80TB	-	400Mbps	HDMi	✓	✓	Local	-	8 in/4 out	✓	✓
Hikvision	**DS-7732NI-I4/16P(B)**	**0574000**	32	16 (16 PoE)	-	40TB (4x10TB)	-	256Mbps	HDMi/VGA/ BNC	-	-	Local	✓	16 in/4 out	-	✓
Hikvision	**iDS-9632NXI-I8/X(C)**	**0870810**	32	32	-	80TB (8x10TB)	-	256Mbps	HDMi/VGA	-	-	Local	✓	16 in/8 out	-	✓
Hikvision	**DS-9632NI-I8/UK/CVBS**	**0866340**	-	32 (0 PoE)	-	80TB	✓	320Mbps	HDMi/VGA	✓	-	Local	✓	16 in/4 out	-	✓
Hikvision	**iDS-7732NXI-I4/16P/X(C)**	**0884550**	-	32 (16 PoE)	-	40TB	✓	320Mbps	HDMi/VGA	✓	-	Local	✓	16 in/8 out	-	✓
Honeywell	**HNMPE32C64T8R6**	**0878810**	✓	32 (0 PoE)	64TB	144TB (12x12TB)	✓	800Mbps	✓	✓	-	✓	✓	-	-	✓
IDIS	**DR-6332PS-SA**	**0856450**	No Licences required	16	2TB	60TB	✓	230Mbps	HDMi/VGA	✓	✓	Client	✓	4 in/1 out	-	✓
IDIS	**DR-6532P**	**0900540**	✓	16	2TB	10TB x 6, max 60TB	✓	230Mbps	HDMi	✓	-	Local	-	Local (NVR): 4/1 IP camera: 32/32 (depending on IP camera)	✓	-
Vista	**VIPER-H5-32-000**	**0804030**	-	32 (16 PoE)	0TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	✓	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-4TB**	**0804090**	-	32 (16 PoE)	4TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	-	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-6TB**	**0804100**	-	32 (16 PoE)	6TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	-	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-8TB**	**0804110**	-	32 (16 PoE)	8TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	-	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-12TB**	**0804120**	-	32 (16 PoE)	12TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	-	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-16TB**	**0804130**	-	32 (16 PoE)	16TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	✓	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-24TB**	**0804140**	-	32 (16 PoE)	24TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	✓	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
Vista	**VIPER-H5-32-32TB**	**0804150**	-	32 (16 PoE)	32TB	32TB (4x8TB)	✓	256Mbps	HDMi/VGA	✓	-	Local/ Client	-	16 in (32 IP/4 out)	-	✓
NVRS - 49 CAMERA STREAM																
Vista	**VIPER-H5-49R-000**	**0683100**	49	49	-	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-8TB**	**0532710**	49	49	8TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-16TB**	**0532720**	49	49	16TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-24TB**	**0532730**	49	49	24TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-32TB**	**0532740**	49	49	32TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-40TB**	**0532750**	49	49	40TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-48TB**	**0532760**	49	49	48TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-56TB**	**0532770**	49	49	56TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-64TB**	**0532780**	49	49	64TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-
Vista	**VIPER-H5-49R-80TB**	**0532790**	49	49	80TB	80TB (8x10TB)	✓	192Mbps	HDMi x 2 (Main & Sub)	✓	-	Local	✓	4 wired in, 49 IP camera in/2 out	-	-

vista

VISTA VIPER H5 NVRS

- Available in 32 & 49 channels
- Up to 4K (8MP) resolution
- H.265/H.264 recording capability
- Smart and thumbnail searching
- Video analytics
- iSCSI additional storage

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Preinstalled Licences	Maximum Channels (inc. PoE)	Storage (Fitted)	Storage (Max.)	External Storage	Recording Throughput	Local Display Monitor Outputs	Remote Keyboard	Infrared Remote Control	360° Fisheye Dewarping	Analytics Support	Alarm I/O	NDAA Compliant	Secure by Default
NVRS - 64 CAMERA STREAM																
Hanwha Techwin	**XRN-6410DB4**	**0865110**	-	64 (0 PoE)	0TB	160TB	✓	400Mbps	HDMi	✓	-	Local	✓	8 in/4 out	-	✓
Hanwha Techwin	**XRN-6410B4**	**0865120**	-	64 (0 PoE)	0TB	160TB	✓	400Mbps	HDMi	✓	-	Local	✓	8 in/4 out	-	✓
Hanwha Techwin	**XRN-6410B2**	**0889400**	-	64 (0 PoE)	-	80TB	-	400Mbps	HDMi	✓	✓	Local	-	8 in/4 out	✓	✓
Hanwha Techwin	**XRN-6410RB2**	**0882270**	-	64 (0 PoE)	-	80TB	-	400Mbps	HDMi	✓	✓	Local	-	8 in/4 out	✓	✓
Hanwha Techwin	**PRN-6405B4**	**0887170**	-	64 (0 PoE)	-	160TB	✓	400Mbps	HDMi	✓	-	Local	✓	8 in/4 out	✓	✓
Hanwha Techwin	**PRN-6405DB4**	**0887160**	-	64 (0 PoE)	-	160TB	✓	400Mbps	HDMi	✓	-	Local	✓	8 in/4 out	✓	✓
Hikvision	**DS-9664NI-I8/UK/CVBS**	**0868370**	-	64 (0 PoE)	-	80TB (8x10TB)	✓	320Mbps	HDMi/VGA	✓	-	Local	✓	16 in/4 out	-	✓
IDIS	**DR-8564D**	**0894660**	✓	64	2TB x 2	12TB x 8, max 96TB	✓	400Mbps	HDMi	✓	-	Client	-	Local (NVR): 4/1 IP camera 64/64 depending on IP camera, IP camera: 64/64 (depending on IP camera)	✓	-
Honeywell	**HNMPE64C64T8R6**	**0878800**	✓	64 (0 PoE)	64TB	144TB (12x12TB)	✓	800Mbps	✓	✓	-	✓	✓	-	-	✓
Veracity	**CSTORE8-2U-NX-UK**	**0646610**	64 time limited	64	-	8 bays - 128TB with 16TB disks	-	600Mbps	-	-	-	Client	✓	-	✓	✓
Veracity	**CSTORE8-2UD-NX-UK**	**0646620**	64 time limited	64	-	8 bays - 128TB with 16TB disks	-	600Mbps	-	-	-	Client	✓	-	✓	✓
NVRS - 128 CAMERA STREAM																
Veracity	**CSTORE15-3U-PRO-NX-UK**	**0876790**	100 time limited	100	-	15 bays - 240TB with 16TB disks	-	600Mbps	-	-	-	Client	✓	-	✓	✓

MARKET OPPORTUNITIES – TOWN CENTRES

As the UK's town centres re-invent themselves to provide a positive experience for today's visitor, security solutions need to modernise to support the changing dynamic too.

Security installers can benefit from offering their expertise in video surveillance, audio, wireless, Body Worn and much more.

Watch our Market Opportunities video to find out Norbain's observations and how we can help you maximise your business growth.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	VISTA VIPER ACCESSORIES			
A	Vista	**VIPERKBD**	**0765330**	Joystick keyboard for jog shuttle for use with the Viper range of DVRs and NVRs
	Vista	**VIPER-RM-G**	**0892740**	Rack mount ears for Viper 2U
	Vista	**VIPER-1U-RM**	**0567480**	Rack mount ears for Viper 1U
	VISTA ACCESSORIES			
B	Vista	**VL-ALM-IO**	**0887490**	USB alarm expansion box 16 input/6 output for VL series recorders
	HONEYWELL - IFT/IFTE ACCESSORIES			
	Honeywell	**66000000**	**0849060**	ADPRO iFT Gateway 4 channel video transmission
	Honeywell	**49946020**	**0849070**	ADPRO iFT Gateway 4 channel analytics pack
	Honeywell	**60021310**	**0720870**	ADPRO iFT 2TB - 8 IP channels
	Honeywell	**60041610**	**0092290**	ADPRO iFT 6TB - 16 IP channels
	Honeywell	**63041610**	**0775710**	ADPRO iFTE 6TB - 16 IP channels
	Honeywell	**49977010**	**0754910**	ADPRO 1 IP channel licence for IFT / IFTE / EFT
	Honeywell	**49977011**	**0803670**	ADPRO 2 IP channel licence for IFT / IFTE / EFT
	Honeywell	**49977012**	**0696520**	ADPRO 4 IP channel licence for IFT / IFTE / EFT
	Honeywell	**49977013**	**0810640**	ADPRO 8 IP channel licence for IFT / IFTE / EFT
	Honeywell	**49977014**	**0246860**	ADPRO 16 IP channel licence for IFT / IFTE / EFT
	Honeywell	**49977015**	**0754920**	ADPRO 64 IP channel licence for IFT / IFTE / EFT
	Honeywell	**49977016**	**0824460**	ADPRO 128 IP channel licence for IFT / IFTE / EFT
	Honeywell	**39544263**	**0758960**	ADPRO Universal extension HDD kit 6TB
	Honeywell	**39544264**	**0824420**	ADPRO Universal extension HDD kit 8TB
	Honeywell	**39544266**	**0285290**	ADPRO Universal extension HDD kit 10TB

vista

A VIPERKBD

- USB keyboard for Viper
- 3-axis joystick
- Jog shuttle play back

vista

B VL-ALM-IO

- Compatible with VL-04NVR, VL-08NVR & VL-16 NVR
- Expand alarm interfaces
- Up to 16 channel alarm input, 6 channel alarm output
- Support USB 2.0 port
- Powered by NVRs USB port
- Plug & Play automatically configured

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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AXIS COMMUNICATIONS

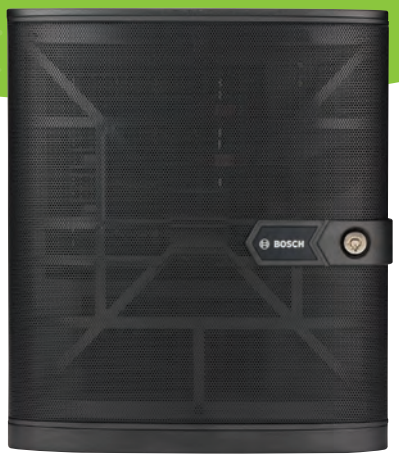
	Manufacturer	Part No.	Quick Ref.	Product Description
BOSCH VMS				
A	Bosch	**DIP-5244GP-4HD**	**0679730**	Management Appliance GPU 4x4TB
	Bosch	**DIP-5244IG-4HD**	**0631710**	Management Appliance 4x4TB
B	Bosch	**DIP-7384-8HD**	**0873700**	Recording & Management Appliance with 8x4TB
	Bosch	**DIP-73G8-16HD**	**0873710**	Recording & Management Appliance 3U with 16x8TB

A

BOSCH
Invented for life

DIP-5244GP-4HD

- All-in-one, fully featured video recording and management solution for up to 42 channels
- Out-of-the-box IP video recording with 4x4TB storage capacity pre-installed
- Robust, secure operation - instant real time access to video
- Instantly find what you are looking for
- Advanced user and alarm management



The DIVAR IP all-in-one 5000 appliance is an affordable and easy to use all-in-one recording, viewing and management solution for network surveillance systems of up to 42 channels (with 8 channels pre-licenced). Running the full BVMS solution and powered by Bosch Video Recording Manager including the video streaming gateway to integrate 3rd party cameras, it is an intelligent IP video management and storage device.

BOSCH
Invented for life

B DIP-7384-8HD

- RAID-5 protected (standard configuration), all-in-one video management solution for up to 256 channels
- Out-of-the-box IP video management solution with up to 96TB storage capacity
- Instantly find what you are looking for
- Advanced user and alarm management
- 3 years' hardware warranty, including next business day services

TECHTALK SERIES

The TechTalk Series takes a deeper look at some of the most interesting and upcoming technologies in the industry. The videos allow viewers to understand how these technologies are creating additional opportunities and even opening up new markets for installers.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
WISENET WAVE VMS			
Hanwha Techwin	**WAVE-PRO-01/EU**	**0352230**	Licence to record 1 channel
Hanwha Techwin	**WAVE-PRO-04/EU**	**0352240**	Licence to record 4 channels
Hanwha Techwin	**WAVE-PRO-08/EU**	**0352250**	Licence to record 8 channels
Hanwha Techwin	**WAVE-PRO-16/EU**	**0352260**	Licence to record 16 channels
Hanwha Techwin	**WAVE-PRO-24/EU**	**0352270**	Licence to record 24 channels
Hanwha Techwin	**WAVE-PRO-48/EU**	**0352280**	Licence to record 48 channels
Hanwha Techwin	**WAVE-VW-02/EU**	**0352290**	Video Wall licence to support two monitors
Hanwha Techwin	**WAVE-ENC-04/EU**	**0352770**	Licence to record 4 encoded channels
Hanwha Techwin	**WAVE-IO-01/EU**	**0353570**	Licence to support 1 input/output device
Hanwha Techwin	**WAVE-EMB-04/EU**	**0394310**	Licence to playback 4 NVR channels
Hanwha Techwin	**WORKST-QUBE-4TB**	**0882040**	Mini Qube 4 bay recording workstation with on-board GPU and 4TB JBOD HDDs, Intel Core 9th Gen i7 8 Cores, 16GB RAM, 2 x 1Gbe, Intel UHD630 2 x DP, 1 x DVI, Win 10 PRO, 240GB SSD, 250W PSU, 5 year NBD warranty, includes 1 x power cable and keyboard/mouse set
Hanwha Techwin	**QUBE-GPU-UPGRADE**	**0875140**	Upgrade to Nvidia GT1030 or similar for CLIENT-QUBE and WORKST-QUBE, must be ordered with the Qube
Hanwha Techwin	**1U-4BAY-SERVER-12TB-RAW**	**0961260**	1U 4 bay Hot-swap rackmount server with raw storage of 12TB with RAID5 8TB, Intel Xenon E 6 Core, 16GB RAM, 2 x 1Gbe, on-board VGA, Win 10 PRO, 2 x M2 256GB SSD in RAID1, 300W Redundant PSU, 5 year NBD warranty, includes 2 x power cables, rackmount kit and keyboard/mouse set
Hanwha Techwin	**2U-12BAY-SERVER-64TB-RAW**	**0882050**	2U 12 bay Hot-swap rackmount server with raw storage of 64TB with RAID5 48TB, Intel Xenon E 6 Core, 16GB RAM, 2 x 1Gbe, on-board VGA, Win 10 PRO, 2 x 240GB SSD in RAID1, 800W Redundant PSU, 5 year NBD warranty, includes 2 x power cables, rackmount kit and keyboard/mouse set
HONEYWELL VMS			
Honeywell	**HNMSWVMS**	**0878750**	MAXPRO VMS 64 Camera Base software (5 clients)
Honeywell	**HNMSWCL**	**0878760**	MAXPRO VIEW Client software (single client)
Honeywell	**HNM64**	**0878770**	Additional 64 camera base channel on base VMS
IP VIDEO MANAGEMENT SOFTWARE BY NETWORK OPTIX			
Network Optix	**L01-NXWI NX**	**0646350**	Witness single channel Rec licence
Network Optix	**L05-NXWI NX**	**0646360**	Witness Video Wall licence
Network Optix	**L08-NXWI NX**	**0646370**	Witness I/O mod licence
Network Optix	**L06-NXWI NX**	**0646380**	Witness 4 channel Encoder licence

HPS-2U-U160

- Available in 2U & 4U up to 512TB
- 64GB DDR4 ECC server memory
- 2 x Xeon silver eight-core processors
- Redundant 1+1 PSU
- Hardware RAID with battery back up
- OS and application on 2 x SSD in RAID1
- RAID5+HS for 2U, RAID50+HS for 4U
- 2000Mbps throughput rating

Doubling down on CPUs and RAM makes the U series server a powerhouse capable of handling a large quantity of cameras with support for advanced VMS features at higher resolutions and higher frame rates. With high levels of resilience as standard for mission critical applications an optional GPU can support server-side video analytics on supported VMS solutions.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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info@norbain.com www norbain.com 0118 912 5000

Manufacturer	Part No.	Quick Ref.	Product Description
HIKVISION ANALYTICS - PEOPLE COUNTING			
Hikvision	**DS-2CD6825G0/C-IS(2.0mm)**	**0645540**	Dual-lens People Counting network camera
HONEYWELL ANALYTICS			
Honeywell	**49975413**	**0655500**	ADPRO 1 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975415**	**0655880**	ADPRO 2 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975412**	**0655510**	ADPRO 4 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975414**	**0655520**	ADPRO 8 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975416**	**0655530**	ADPRO 16 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975417**	**0849130**	ADPRO 32 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975418**	**0616450**	ADPRO 64 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975419**	**0694800**	ADPRO 128 Channel Intrusion Trace for IFT/IFTE/EFT
Honeywell	**49975403**	**0600930**	ADPRO 1 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975400**	**0849090**	ADPRO 2 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975402**	**0779880**	ADPRO 4 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975404**	**0740170**	ADPRO 8 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975406**	**0740180**	ADPRO 16 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975407**	**0849100**	ADPRO 32 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975408**	**0849110**	ADPRO 64 Channel Loiter Trace for IFT/IFTE/EFT
Honeywell	**49975409**	**0849120**	ADPRO 128 Channel Loiter Trace for IFT/IFTE/EFT
VIVOTEK ANALYTICS			
VIVOTEK	**IE9111-O(RJ45)**	**0900410**	AI-Box, Edge AI device, driven by OSSA, Azena OS, VCA

NORBAIN PRESENTS: HIKVISION HIKCENTRAL PROFESSIONAL OVERVIEW

Take an up-close look at Hikvision's all-in-one video management platform, HikCentral, and discover the benefits of investing in this flexible, scalable solution.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
PC HARDWARE				
A	Vista	**VistaPC-i5-XG-ClientPC W10 120GB**	**0855700**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support
	Vista	**VistaPC-i5-XG-2TB Srv/Client W10 120GB**	**0855710**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 2TB
	Vista	**VistaPC-i5-XG-6TB Srv/Client W10 120GB**	**0855720**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 6TB
	Vista	**VistaPC-i5-XG-10TB Srv/Client W10 120GB**	**0855730**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 10TB
	Vista	**VistaPC-i5-XG-16TB Srv/Client W10 120GB**	**0855740**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 16TB
	Vista	**VistaPC-i5-XG-20TB Srv/Client W10 120**	**0855750**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 20TB
	Vista	**VistaPC-i5-XG-24TB Srv/Client W10 120**	**0855760**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 24TB
	Vista	**VistaPC-i5-XG-32TB Srv/Client W10 120**	**0855770**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 32TB
	Vista	**VistaPC-i5-XG-40TB Srv/Client W10 120**	**0855780**	Client PC Win10, i5 & 120GB solid state drive for OS, triple monitor support 40TB
B	Vista	**VistaPC-i7-XG-ClientPC W10 120GB**	**0855790**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support
	Vista	**VistaPC-i7-XG-1TB Srv/Client W10 120GB**	**0855800**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 1TB
	Vista	**VistaPC-i7-XG-4TB Srv/Client W10 120GB**	**0855810**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 4TB
	Vista	**VistaPC-i7-XG-6TB Srv/Client W10 120GB**	**0855820**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 6TB
	Vista	**VistaPC-i7-XG-10TB Srv/Client W10 120GB**	**0855830**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 10TB
	Vista	**VistaPC-i7-XG-16TB Srv/Client W10 120GB**	**0855840**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 16TB
	Vista	**VistaPC-i7-XG-20TB Srv/Client W10 120GB**	**0855850**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 20TB
	Vista	**VistaPC-i7-XG-24TB Srv/Client W10 120GB**	**0855860**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 24TB
	Vista	**VistaPC-i7-XG-32TB Srv/Client W10 120**	**0855870**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 32TB
	Vista	**VistaPC-i7-XG-40TB Srv/Client W10 120**	**0855880**	Client PC Win10, i7 & 120GB solid state drive for OS, quad monitor support 40TB
	Vista	**VistaPC-KBDM**	**0657290**	VistaPC-KBDM keyboard & mouse

vista

VistaPC-i5-XG-XXX Srv/Client W10 120GB

- Solid State OS disk (Quick Boot)
- Up to 40TB on board storage
- Intel i5 processor
- Support for 3rd party VMS clients
- Dual monitor support

The Vista Client PC has been designed specifically for the video surveillance market. Its powerful performance and small size make this the perfect Video Management System (VMS) viewing client.

vista

VistaPC-i7-XG-XXX Srv/Client W10 120GB

- Solid State OS disk (Quick Boot)
- Up to 40TB on board storage
- Intel i7 processor
- Support for 3rd party VMS clients
- Quad monitor support

Vista's Client/Server PC has the performance and storage capacity to make it ideal for Video Management Systems.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
ANCILLARIES				
C	Vista	**QSW4**	**0766120**	4 Port PoE switch with CCTV mode
	Vista	**QSW8**	**0766130**	8 Port PoE switch with CCTV mode
	Vista	**QSW16**	**0486900**	16 Port PoE switch, up to 200m with CCTV mode
	Vista	**QSW24M**	**0486910**	24 Port PoE switch, up to 200m with CCTV mode
KEYBOARDS				
	Hanwha Techwin	**SPC-7000**	**0086750**	5" TFT tough LCD, SSM Control, 3 axis joystick PTZ control
	Hanwha Techwin	**SPC-2000**	**0527650**	Network controller joystick
	Hanwha Techwin	**SPC-2010**	**0655640**	PTZ/DVR system controller
	Vista	**VistaPC-KBDM**	**0657290**	VistaPC-KBDM keyboard & mouse

vista

VISTA SWITCHES

- 4, 8, 16 and 24 port options
- Up to 200m transmission (CCTV mode)
- Up to 30W PoE+
- Dual up-link ports
- Fibre combo up-link on 16 and 24 port

The QSW PoE switches by Vista offer the installer an effective solution for overcoming some of the normal limitations of IP networks. Using the unique CCTV mode, the rack mount switches boost the normal limitation for data and power from 90m, up to an impressive 200m, making it an ideal distribution hub for the majority of medium to large installations. The power budget of each switch can be shared across ports, with a maximum output of 30W on an individual channel. 4 models are available in the range - 4, 8, 16 and 24 port. Each model has a dual up-link port, while the 4 port has 100 base T and the remaining models have full Gigabit. The 16 and 24 port switches also include a fibre combo up-link port.

SECURE LOGIQ

HPC-Q-U4

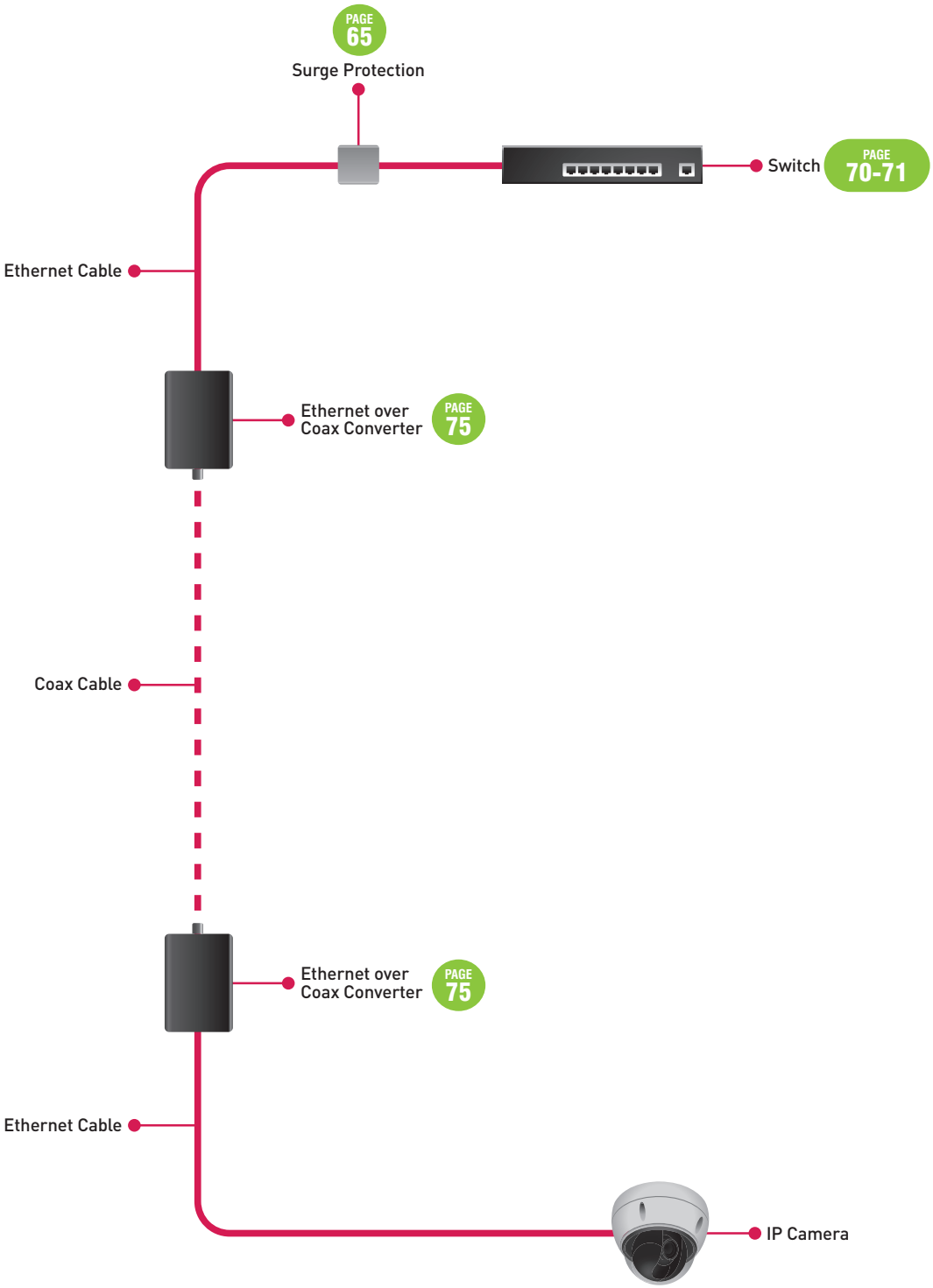
- Intel 9th generation i7 processor
- 16GB DDR4 memory
- 250GB SSD for operating system
- nVidia Quadro 4GB graphics
- 4 x 4K video outputs
- Dual Gigabit LAN
- USB 3.0 for fast exporting
- Small form factor - quiet operation

The most powerful of their Qube Client machines, the U series client features a powerful 9th generation i7 processor and 16GB DDR4 RAM as well a 4GB nVidia graphics card. This unit is suitable for most VMS client applications and is designed for up to 4 x 4K monitors with medium to high decoding requirements.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

IP PERIPHERALS

The below schematic shows an example installation of an IP camera onto an existing coax cable infrastructure.



IP PERIPHERALS
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Manufacturer	Part No.	Quick Ref.	Mounting	Images per Second	Analytic Capability	RS485	Alarm I/O	Number of Streams	Audio	Power	Power Supply Included
SINGLE CHANNEL ENCODERS											
VIVOTEK	**VS8100-v2**	**0649650**	Free standing	30ips	-	✓	-	3	One way	9-30VDC	✓

Manufacturer	Part No.	Quick Ref.	No. of Channels	Mounting	Images per Second	Analytic Capability	RS485	Edge Recording (e.g. SD card)	Alarm I/O	Number of Streams	Audio	Power	Power Supply Included
MULTI CHANNEL ENCODERS - 8 CHANNEL OR LESS													
Hanwha Techwin	**SPE-420**	**0961500**	4	Free standing	-	-	✓	-	4 in/2 out	Multiple streaming (up to 3 profiles per channel)	Two way	PoE, 12VDC	✓
MULTI CHANNEL ENCODERS - 16 CHANNEL													
Bosch	**VJM-4016**	**0714710**	16	Rack	25ips	-	✓	-	4 in/1 out	32	Two way	100-240VAC	✓
Hikvision	**DS-6716HUHI-K**	**0468630**	16	Free standing	25ips	-	✓	16TB (2x8TB)	16 in/4 out	2	Two way	12VDC	✓
Vista	**VIPER-HDAENC16**	**0495260**	16	Rack	25ips	-	✓	-	4 in/1 out	2	Two way	12VDC	✓

Manufacturer	Part No.	Quick Ref.	No. of Channels	RS485	Video Output	Audio	Power	Power Supply Included
DECODERS								
Hanwha Techwin	**SPD-150**	**0311430**	48	-	HDMi/VGA	✓	12VDC	✓
Hikvision	**DS-6901UDI**	**0788230**	16	✓	HDMi/VGA/BNC	Two way	12VDC	✓
Hikvision	**DS-6904UDI(B)**	**0880390**	72	✓	HDMi/BNC	✓	100-240VAC	✓
IDIS	**DD-1216**	**0870300**	16	✓	HDMi/VGA/BNC	-	PoE	-
IDIS	**DD-1316**	**0894650**	16	-	HDMi/VGA/BNC	-	PoE, 12VDC	-
Veracity	**VSPAN-SOLO**	**0876780**	48	-	HDMi/VGA	✓	12VDC	✓

NORBAIN PRESENTS

Norbain Presents is a series of videos that are produced alongside our key suppliers that focus on the new products and technologies they're launching into the market. It's a great place to find out what's hot and learn about the benefits these new solutions can bring to you and your customers.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	10/100 IP Switch/ Gigbit IP Switch	1000 Mbps Ports	10/100 Ports	PoE Ports	PoE Port Rating	PoE Power Budget (Aggregated)	Total Throughput	Managed	Rackmount	Operating Temperature
UP TO 8 WAY IP SWITCHES												
AMG Systems	**AMG510-8G-2S**	**0646660**	Gigabit	10	-	-	-	-	20Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-8GAT-2S-P210**	**0883610**	Gigabit	10	-	8	PoE+	210W aggregated	20Gbps	✓	✓	0 to 50°C
D-Link	**DGS-1100-08PV2**	**0880330**	Gigabit	10	10	8	PoE+	64W	16Gbps	✓	✓	-5 to 50°C
Hanwha Techwin	**SPN-10080P**	**0847970**	-	-	-	8	PoE	64W	-	-	-	40 to 75°C
Hanwha Techwin	**SPN-10080PM**	**0847980**	-	-	-	8	PoE	64W	-	-	-	40 to 75°C
Hikvision	**DS-3E0505P-E**	**0682010**	Gigabit	4	1	4	PoE	60W	10Gbps	-	✓	-10 to 55°C
Hikvision	**DS-3E1105P-EI**	**0855690**	10/100	-	4	4	PoE	60W	1Gbps	✓	✓	0 to 40°C
Hikvision	**DS-3E1106HP-EI**	**0887630**	10/100	-	4	4	PoE	60W	1.2Gbps	✓	✓	-10 to 55°C
Hikvision	**DS-3E0310HP-E**	**0588080**	10/100	-	8	8	PoE+	110W	5.6Gbps	-	✓	-10 to 55°C
Hikvision	**DS-3E0510P-E**	**0682020**	Gigabit	8	-	8	PoE	110W	20Gbps	-	✓	-10 to 55°C
Veracity	**VCS-4P1**	**0693430**	10/100	-	5	4	70W	120W	100Base-TX	-	-	-10 to 50°C
Veracity	**VCS-4P1-MOB**	**0715600**	10/100	-	5	4	70W	80W	100Base-TX	-	-	-10 to 50°C
Veracity	**VCS-8P2-MOB**	**0742810**	10/100	-	10	8	70W	80W	100Base-TX	-	-	-10 to 50°C
Vista	**QSW4**	**0766120**	10/100	-	4	4	PoE+	60W	1Gbps	-	-	-10 to 55°C
Vista	**QSW8**	**0766130**	Gigabit	2	8	8	PoE+	120W	7Gbps	-	-	-10 to 55°C
UP TO 16 WAY IP SWITCHES												
AMG Systems	**AMG510-16G-2S**	**0646670**	Gigabit	18	-	-	-	-	36Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-16GAT-2C-P290**	**0867550**	Gigabit	18	-	16	PoE+	290W aggregated	36Gbps	✓	✓	0 to 50°C
D-Link	**DGS-1210-10P**	**0765280**	Gigabit	10	-	8	PoE+	65W	20Gbps	✓	✓	-5 to 50°C
Hikvision	**DS-3E0518P-E**	**0682030**	Gigabit	16	-	16	PoE	230W	36Gbps	-	✓	-10 to 55°C
Hikvision	**DS-3E1318P-EI**	**0855670**	10/100	-	16	16	PoE	230W	7.2Gbps	✓	✓	-10 to 55°C
Vista	**QSW16**	**0486900**	Gigabit	2	16	16	PoE+	180W	7.2Gbps	-	✓	-10 to 45°C
UP TO 24 WAY IP SWITCHES												
AMG Systems	**AMG510-22G-2C-2S**	**0899840**	Gigabit	26	-	-	-	-	52Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-24G-4XS**	**0646650**	Gigabit	28	-	-	-	-	128Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-22GAT-2CAT-2S-P460**	**0872990**	Gigabit	26	-	24	PoE+	460W aggregated	52Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-24GAT-4XS-P460**	**0646720**	Gigabit	28	-	24	PoE+	460W aggregated	128Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-8GBT-16GAT-4XS-P460**	**0876380**	Gigabit	28	-	24	8x 90W 16x PoE+	460W aggregated	128Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-4G-24S-4XS**	**0646640**	Gigabit	32	-	-	-	-	136Gbps	✓	✓	-10 to 60°C
D-Link	**DES-1210-28P**	**0568350**	10/100	4	24	24	PoE	193W	12.8Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1210-24**	**0568680**	Gigabit	28	-	-	-	-	56Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1210-28**	**0702000**	Gigabit	28	-	-	-	-	56Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1210-28P**	**0619010**	Gigabit	28	-	24	PoE+	193W	56Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1100-26MPV2**	**0880340**	Gigabit	28	-	24	PoE+	370W	52Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1250-28X**	**0639300**	Gigabit	28	-	-	-	-	128Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1250-28XMP**	**0639310**	Gigabit	28	-	24	PoE+	370W	128Gbps	✓	✓	-5 to 50°C
Hikvision	**DS-3E1326P-EI**	**0855680**	10/100	-	24	24	PoE	370W	8.8Gbps	✓	✓	-10 to 55°C
Vista	**QSW24M**	**0882360**	Gigabit	2	24	24	PoE+	390W	8.8Gbps	✓	✓	-10 to 45°C
OVER 24 WAY IP SWITCHES												
AMG Systems	**AMG510-48G-4XS**	**0876370**	Gigabit	52	-	-	-	-	176Gbps	✓	✓	0 to 50°C
AMG Systems	**AMG510-48GAT-4XS-P860**	**0867540**	Gigabit	52	-	48	PoE+	860W aggregated	176Gbps	✓	✓	0 to 50°C
D-Link	**DGS-1250-52X**	**0639320**	Gigabit	48	-	-	-	-	176Gbps	✓	✓	-5 to 50°C
D-Link	**DGS-1250-52XMP**	**0639330**	Gigabit	48	-	48	PoE+	370W	176Gbps	✓	✓	-5 to 50°C

POCKET-SIZE BUZZ – INTEGRATION

For the security installer, there are several important qualities of a fully integrated security platform – reliability, functionality and intuitiveness. Find out how you can act as a true partner to all stakeholders and ensure the final outcome is successful, increasing both your own and your customer's ROI and guiding them to the best solution for their requirements.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	10/100 IP Switch/ Gigbit IP Switch	1000 Mbps Ports	10/100 Ports	PoE Ports	PoE Port Rating	PoE Power Budget (Aggregated)	Total Throughput	Managed	Rackmount	Operating Temperature
INDUSTRIAL ETHERNET SWITCHES												
AMG Systems	**AMG350-5G**	**0889720**	Gigabit	5	-	-	-	-	10Gbps	-	-	-40 to 75°C
AMG Systems	**AMG350-4G-1C-1S**	**0889760**	Gigabit	6	-	-	-	-	12Gbps	-	-	-40 to 75°C
AMG Systems	**AMG350-8G**	**0889740**	Gigabit	8	-	-	-	-	16Gbps	-	-	-40 to 75°C
AMG Systems	**AMG350-4GAT-1G-P120**	**0889730**	Gigabit	5	-	4	PoE+	-	10Gbps	-	-	-40 to 75°C
AMG Systems	**AMG350-4GAT-1C-1S-P120**	**0889770**	Gigabit	6	-	4	PoE+	120W aggregated	12Gbps	-	-	-40 to 75°C
AMG Systems	**AMG350-8GAT-P200**	**0889750**	Gigabit	8	-	8	PoE+	200W aggregated	16Gbps	-	-	-40 to 75°C
AMG Systems	**AMG570-4G-2S**	**0876310**	Gigabit	6	-	4	90W	240W aggregated	18Gbps	✓	-	-40 to 75°C
AMG Systems	**AMG570-8G-3S**	**0876340**	Gigabit	11	-	-	-	-	31Gbps	✓	-	-40 to 75°C
AMG Systems	**AMG570-4GAT-2S-P120**	**0876320**	Gigabit	6	-	4	PoE+	120W aggregated	18Gbps	✓	-	-40 to 75°C
AMG Systems	**AMG570-8GAT-3S-P240**	**0867730**	Gigabit	11	-	8	PoE+	240W aggregated	31Gbps	✓	-	-40 to 75°C
AMG Systems	**AMG570-2GBT-2GAT-2S-P240**	**0899830**	Gigabit	6	-	4	90W	240W aggregated	18Gbps	✓	-	-40 to 75°C
AMG Systems	**AMG570-2GBT-4GAT -2G-3S-P300**	**0875500**	Gigabit	11	-	6	2x 90W 4x PoE+	300W aggregated	31Gbps	✓	-	-40 to 75°C
AMG Systems	**AMG570-4GBT-4G-3S-P360**	**0876350**	Gigabit	11	-	4	4x 90W	360W aggregated	31Gbps	✓	-	-40 to 75°C
D-Link	**DIS-100G-5SW**	**0492820**	Gigabit	5	-	-	-	-	10Gbps	-	-	-40 to 75°C
D-Link	**DIS-200G-12S**	**0573630**	Gigabit	12	-	-	-	-	24Gbps	✓	-	-40 to 65°C
D-Link	**DIS-200G-12PS**	**0639190**	Gigabit	12	-	8	PoE+	240W	24Gbps	✓	-	-40 to 65°C
D-Link	**DIS-100G-10S**	**0881720**	Gigabit	10	-	-	-	-	20Gbps	-	-	-20 to 65°C
D-Link	**DIS-100G-6S**	**0881730**	Gigabit	6	-	-	-	-	12Gbps	-	-	-20 to 65°C
D-Link	**DWM-312**	**0881740**	Gigabit	1	-	-	-	-	150Mbps	✓	-	-20 to 60°C
D-Link	**DWM-312W**	**0873760**	Gigabit	2	-	-	-	-	150Mbps	✓	-	-20 to 60°C
D-Link	**DIS-300G-14PSW**	**0639200**	Gigabit	14	-	8	PoE+	240W	-	✓	-	-40 to 75°C
D-Link	**DIS-300G-8PSW**	**0685090**	Gigabit	8	-	4	PoE+	120W	-	✓	-	-40 to 75°C
D-Link	**DIS-100G-5PSW**	**0685080**	Gigabit	5	-	4	PoE+	120W	10Gbps	-	-	-20 to 65°C
D-Link	**DIS-700G-28XS**	**0639170**	Gigabit	28	-	-	-	-	-	-	✓	-40 to 75°C

DGS-1210 RANGE

- Layer 2 management with Layer 3 capabilities
- Compact Command-Line interface and web-based UI
- Static Routing and MSTP
- PoE options up to 370W power budget
- Dual image & config
- Limited-lifetime warranty after registration

D-Link's DGS-1210 Gigabit PoE Smart+ switch integrates advanced management and security functions that provide performance and scalability. Management options include SNMP, web management and D-Link Network Assistant Utility. The DGS-1210 uses auto voice VLAN, ensuring bandwidth is prioritised for voice. It features a smart fan that powers on when reaching a certain temperature, saving energy and cost without sacrificing performance.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
COMMERCIAL MEDIA CONVERTERS			
AMG Systems	**AMG210M-1G-1SM2**	**0863110**	1 Port 10/100/1000Base-T(x) RJ45, 1 Port 1000Base-Fx, Multimode, 2 Fibres, 850nm, LC connectors, Multirate support, 0-50°C, mini, PSU included
AMG Systems	**AMG210M-1G-1SM1A**	**0857170**	1 Port 10/100/1000Base-T(x) RJ45, 1 Port 1000Base-Fx, Multimode, 1 Fibre, 1310nm, A-Side, LC connector, Multirate support, 0-50°C, mini, PSU included
AMG Systems	**AMG210M-1G-1SM1B**	**0857180**	1 Port 10/100/1000Base-T(x) RJ45, 1 Port 1000Base-Fx, Multimode, 1 Fibre, 1550nm, B-Side, LC connector, Multirate support, 0-50°C, mini, PSU included
AMG Systems	**AMG210M-1G-1SS2**	**0863130**	1 Port 10/100/1000Base-T(x) RJ45, 1 Port 1000Base-Fx, Singlemode, 2 Fibres, 1310nm, LC connectors, Multirate support, 0-50°C, mini, PSU included
AMG Systems	**AMG210M-1G-1SS1A**	**0876190**	1 Port 10/100/1000Base-T(x) RJ45, 1 Port 1000Base-Fx, Singlemode, 1 Fibre, 1310nm, A-Side, LC connector, Multirate support, 0-50°C, mini, PSU included
AMG Systems	**AMG210M-1G-1SS1B**	**0876200**	1 Port 10/100/1000Base-T(x) RJ45, 1 Port 1000Base-Fx, Singlemode, 1 Fibre, 1550nm, B-Side, LC connector, Multirate support, 0-50°C, mini, PSU included
AMG Systems	**AMG210M-1GAT-1S-P30**	**0899760**	Commercial Multirate PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 port with 802.3at 30W PoE, 1x100/1000Base-Fx SFP Port, mini, 0°C to +50°C, EU, US or UK type power supply included*, SFP purchased separately
AMG Systems	**AMG210M-1GAT-1SM2-P30**	**0899770**	Commercial PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 Port with 802.3at 30W PoE, 1 x 1000Base-Fx Port, Multimode, 2 fibres, 850nm, LC connectors, Multirate support, mini, 0°C to +50°C, EU, US or UK type power supply included
AMG Systems	**AMG210M-1GAT-1SM1A-P30**	**0899780**	Commercial PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 port with 802.3at 30W PoE, 1 x 1000Base-Fx Port, Multimode, 1 fibre, 1310nm, A-Side, LC connector, Multirate support, mini, 0°C to +50°C, EU, US or UK type power supply included
AMG Systems	**AMG210M-1GAT-1SM1B-P30**	**0899790**	Commercial PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 port with 802.3at 30W PoE, 1 x 1000Base-Fx Port, Multimode, 1 fibre, 1550nm, B-Side, LC connector, Multirate support, mini, 0°C to +50°C, EU, US or UK type power supply included
AMG Systems	**AMG210M-1GAT-1SS2-P30**	**0899800**	Commercial PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 port with 802.3at 30W PoE, 1 x 1000Base-Fx Port, Singlemode, 2 fibres, 1310nm, LC connectors, Multirate support, mini, 0°C to +50°C, EU, US or UK type power supply included
AMG Systems	**AMG210M-1GAT-1SS1A-P30**	**0899810**	Commercial PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 port with 802.3at 30W PoE, 1 x 1000Base-Fx Port, Singlemode, 1 fibre, 1310nm, A-Side, LC connector, Multirate support, mini, 0°C to +50°C, EU, US or UK type power supply included
AMG Systems	**AMG210M-1GAT-1SS1B-P30**	**0899820**	Commercial PoE Media Converter, 1 x 10/100/1000Base-T(x) RJ45 port with 802.3at 30W PoE, 1 x 1000Base-Fx Port, Singlemode, 1 fibre, 1550nm, B-Side, LC connector, Multirate support, mini, 0°C to +50°C, EU, US or UK type power supply included
Veracity	**VLT-1N-SC100**	**0574300**	LIGHTSPAN Media converter SC fibre interface 100Mbps
INDUSTRIAL MEDIA CONVERTERS			
AMG Systems	**AMG250-1F-1S**	**0852040**	1 x 10/100Base-T(x) RJ45 Ports & 1 x 100/1000Base-FX SFP Ports DIN rail/wall mount, -40°C to +75°C. 12-36VDC power input. SFPs not included
AMG Systems	**AMG250-1G-1S**	**0859950**	1 x 10/100/1000Base-T(x) RJ45 Ports & 1 x 100/1000Base-Fx SFP Ports DIN rail/wall mount, -40°C to +75°C. 12-36VDC power input. SFPs not included
AMG Systems	**AMG250-2F-1S**	**0876210**	2 x 10/100Base-T(x) RJ45 Ports & 1 x 100/1000Base-FX SFP Ports DIN rail/wall mount, -40°C to +75°C. 12-36VDC power input. SFPs not included
AMG Systems	**AMG250-2G-1S**	**0876220**	2 x 10/100/1000Base-T(x) RJ45 Ports & 1 x 100/1000Base-Fx SFP Ports DIN rail/wall mount, -40°C to +75°C. 12-36VDC power input. SFPs not included
AMG Systems	**AMG250-1FAT-1S-P30**	**0861910**	1 x 10/100Base-T(x) RJ45 Ports with 802.3at 30W PoE & 1 x 100/1000Base-FX SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-1GAT-1S-P30**	**0875510**	1 x 10/100/1000Base-T(x) RJ45 Ports with 802.3at 30W PoE & 1 x 100/1000Base-Fx SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-1FBT-1S-P90**	**0865570**	1 x 10/100Base-T(x) RJ45 Ports with 802.3bt 60/90W PoE & 1 x 100/1000Base-Fx SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-1GBT-1S-P90**	**0961300**	1 x 10/100/1000Base-T(x) RJ45 Ports with 802.3bt 60/90W PoE & 1 x 100/1000Base-Fx SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-2FAT-1S-P60**	**0867560**	2 x 10/100Base-T(x) RJ45 Ports with 802.3at 30W PoE & 1 x 100/1000Base-FX SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-2GAT-1S-P60**	**0646740**	2 x 10/100/1000Base-T(x) RJ45 Ports with 802.3at 30W PoE & 1 x 100/1000Base-Fx SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-2FBT-1S-P180**	**0876230**	2 x 10/100Base-T(x) RJ45 Ports with 802.3bt 60/90W PoE & 1 x 100/1000Base-Fx SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250-2GBT-1S-P180**	**0876240**	2 x 10/100/1000Base-T(x) RJ45 Ports with 802.3bt 60/90W PoE & 1 x 100/1000Base-Fx SFP Port, DIN rail/wall mount, -40°C to +75°C. 48-56VDC power input. SFPs not included
AMG Systems	**AMG250R-4G-4S**	**0961320**	4 x 10/100/1000Base-T(x) RJ45 Ports & 4 x 100/1000Base-Fx SFP Ports, rack mount, -40°C to +75°C. 12-36VDC power input. SFPs not included
D-Link	**DIS-S301SX**	**0685100**	1-port Mini-GBIC SFP to 1000BaseSX Transceiver
D-Link	**DIS-S302SX**	**0639240**	1-port Mini-GBIC SFP to 1000BaseSX Transceiver
D-Link	**DIS-S310LX**	**0639250**	1-port Mini-GBIC SFP to 1000BaseLX Transceiver
MEDIA CONVERTER ACCESSORIES & SFPS			
D-Link	**DEM-311GT**	**0610820**	SFP 1000Base-SX multimode fibre transceiver

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Manufacturer	Part No.	Quick Ref.	Product Description
ETHERNET OVER 2 WIRE TRANSMISSION			
AMG Systems	**AMG160-1F-1ET**	**0876420**	1 x 10/100BaseT(x) RJ45, 1 x Extend-Net™ 2-wire Ethernet extender (screw terminal connector)
ETHERNET OVER 2 OR 4 PAIRS CAT5/6 CABLE			
NVT Phybridge	**NV-FLXLK-C**	**0821920**	FLEX-C long reach 2- or 4-pair UTP adaptor (30W), no local power option, single unit; 5 year warranty included
NVT Phybridge	**NV-FLXLK-BSE**	**0244350**	FLEX-Base long reach 2- or 4-pair UTP unmanaged PoE++ extender when paired with FLEX-Link (50W) or FLEX-C (30W), single unit; 5 year warranty included
NVT Phybridge	**NV-FLXLK-XKIT**	**0821930**	FLEX-Link Extender kit includes: FLEX-Link (1 NV-FLXLK), FLEX-Base (1 NV-FLXLK-BSE), 60W, 55VDC power supply (1 NV-PS55-60W); 5 year warranty
NVT Phybridge	**NV-FLXLK**	**0100970**	FLEX-Link long reach 2- or 4-pair UTP adaptor (50W); local power option, single unit; 5 year warranty included
NVT Phybridge	**NV-FLX-04**	**0687210**	FLEX4 1-to- 4-port long reach 2- or 4- pair UTP adaptor, up to 30W per port; 5 year warranty included
NVT Phybridge	**NV-FLX-04-XKIT**	**0474790**	FLEX4 Extender kit includes: FLEX4 (1 NV-FLX-04), FLEX-Base (1 NV-FLXLK-BSE), 110W, 55VDC power supply (1 NV-PS55-110W); 5 year warranty
NVT Phybridge	**NV-FLX-08**	**0474800**	FLEX8 8-Port long reach 2- or 4- pair UTP unmanaged PoE++ (50W) switch, 190W power supply; 5 year warranty included
NVT Phybridge	**NV-FLX-024-10G**	**0868140**	24-port long reach 2- or 4-pair UTP managed switch delivers up to 50W (PoE++) and 10/100/1000 Mbps symmetrical, full-duplex, up to 2,000ft (610m) reach; 1 year warranty included
NVT Phybridge	**NV-EC1701PLS-BSE**	**0868130**	1701+ Extender Solution delivering up to 420Mbps and PoE+ over Coax, single pair UTP or 2 wire infrastructures with reach of up to 8,000ft (2.4km) on RG6
NVT Phybridge	**NV-EC1701PLS-LK**	**0868120**	Paired with the 1701+ Base, 1701+ Link can deliver up to 420Mbps and PoE+ over Coax, single pair UTP or 2 wire infrastructures with reach of up to 8,000ft (2.4km) on RG6
NVT Phybridge	**NV-EC1701PLS-XKIT**	**0961190**	1701+ Extender kit (EoC/UTP): 1 1701+ Base, 1 1701+ Link (50 Watts), 1 NV-PS55-60W, 2 NV-BNCA, 1 2' Coax cable
NVT Phybridge	**NV-EC1701PLS-K2H**	**0961180**	1701+ Kit2H (EoC/UTP): 1 1701+ Base, 2 1701+ Link (50 Watts), 1 NV-PS55-110W, 3 NV-BNCA, 1 NV-BNCT, 1 2' Coax cable
NVT Phybridge	**NV-EC1701PLS-K3H**	**0880490**	1701+ Kit3H (EoC/UTP): 1 1701+ Base, 3 1701+ Link (50 Watts), 1 NV-PS55-110W, 4 NV-BNCA, 1 NV-EC4BNC, 1 2' Coax cable
NVT Phybridge	**NV-EC1701PLS-K4H**	**0878380**	1701+ Kit4H (EoC/UTP): 1 1701+ Base, 4 1701+ Link (50 Watts), 1 NV-PS55-110W, 5 NV-BNCA, 1 NV-EC4BNC, 1 2' Coax cable
Veracity	**VLS-1N-L**	**0656090**	LONGSPAN Lite. Long range (up to 820m) point to point Ethernet and PoE, PSU required
Veracity	**VLS-1P-B**	**0656060**	LONGSPAN Base. Long range (up to 820m) point to point Ethernet and PoE
Veracity	**VLS-1P-C**	**0656070**	LONGSPAN Camera. Long range (up to 820m) point to point Ethernet and PoE
Veracity	**VLS-1U**	**0656100**	1U, 19" rackmount bracket for 24 x LONGSPAN units
Veracity	**VLS-LS-B8**	**0647650**	LONGSPAN Base 8. 8 Channel, long-range, up to 820m. Ethernet & PoE
Veracity	**VLS-LSM-B**	**0647660**	LONGSPAN Max (Base). Hi-Power, 90W long-range Ethernet, up to 820m
Veracity	**VLS-LSM-C**	**0647670**	LONGSPAN Max (Camera). Hi-Power, 90W long-range Ethernet, up to 820m
Veracity	**VLS-LSM-C4**	**0647680**	LONGSPAN Max Quad. 4 channel, Hi-Power, 90W long-range Ethernet, up to 820m
ETHERNET OVER 2 WIRE CONVERTERS			
NVT Phybridge	**NV-PL-08**	**0784820**	PoLRE LPC 8-port long reach single-pair UTP unmanaged PoE switch, PhyLink adaptors (2), 100W power supply; 5 year warranty included
NVT Phybridge	**NV-PL-024**	**0768070**	PoLRE24 24-port long reach single-pair UTP managed PoE switch with 500W 110V/1000W, 220VDC, 1000W power supply; 1 year warranty included
NVT Phybridge	**NV-PL-048**	**0768090**	PoLRE48 48-port long reach single-pair UTP managed PoE switch with 500W 110V/1000W, 220VDC, 1000W power supply; 1 year warranty included
NVT Phybridge	**NV-PL-PA-011-6**	**0768080**	PhyLink long reach single pair UTP adapter (6 pack); 5 year warranty included

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SIMPLE AND EFFICIENT RETURNS PROCEDURES

Don't worry if an incorrect product has been ordered or if an item is no longer required. Return it, unopened and unused, within 21 days for a refund.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
ETHERNET OVER COAX CABLE CONVERTERS			
AMG Systems	**AMG160-1F-1EC**	**0876410**	1 x 10/100BaseT(x) RJ45, 1 x Extend-Net™ Coax Ethernet extender (Coaxial connector)
NVT Phybridge	**NV-EC-10**	**0766010**	EC10 10-Port long reach Ethernet over Coax unmanaged PoE switch with 165W power supply; 5 year warranty included
NVT Phybridge	**NV-EC-04**	**0766030**	EC4 4-port long reach Ethernet over Coax adaptor (30W per port); 5 year warranty included
NVT Phybridge	**NV-CLR-024-10G**	**0885390**	CLEER24 10G: 24 Port EoC Long Reach PoE++ (50W) managed switch with 110VDC & 220VDC 1,000W power supply. Supports IEEE 802.1X. Meets EN 50121-4 (Railway/Subway) - 1 year warranty included
NVT Phybridge	**NV-ECLK**	**0575130**	EC-Link: Long Reach EoC adapter (30W); local power option. Meets EN 50121-4 (railway/subway)- single unit [replaces NV-LNK-02]; 5 year warranty included
NVT Phybridge	**NV-EC-04-XKIT**	**0660230**	EC4 Extender kit includes: EC4 (1 NV-EC-04), EC-Base (1 NV-ECLK-BSE), 110W, 55VDC power supply (1 NV-PS55-110W); 5 year warranty
NVT Phybridge	**NV-ECLK-BSE**	**0474810**	EC-Base: Long Reach PoE++ extender for EoC when paired with EC-Link+ (50W) or EC-Link (30W). Meets EN 50121-4 (railway/subway) - single unit; 5 year warranty included
NVT Phybridge	**NV-ECLK-PLS**	**0474820**	EC-Link+: Long Reach EoC adaptor (50W); local power option. Meets EN 50121-4 (railway/subway) - single unit; 5 year warranty included
NVT Phybridge	**NV-ECLK-PLS-XKIT**	**0474830**	EC Extender kit includes: EC-Link+ (1 NV-ECLK-PLS), EC-Base (1 NV-ECLK-BSE), 60W, 55VDC power supply (1 NV-PS55-60W); 5 year warranty
Veracity	**VHW-HWPS-CBB**	**0574270**	HIGHWIRE Powerstar Camera backbox, version for inside camera housings
Veracity	**VHW-HWPS-B4-LL**	**0477350**	HIGHWIRE Powerstar Base 4 LINKLOCK, tamper-proof EOC & PoE 4 channel Base unit
Veracity	**VLS-1N-LC**	**0748450**	HIGHWIRE Longstar Lite, long distance EoC adaptor without PoE
Veracity	**VLS-1P-BC**	**0717480**	HIGHWIRE Longstar Base unit, delivering EoC up to 25W PoE over 1300m RG11
Veracity	**VLS-1P-CC**	**0717490**	HIGHWIRE Longstar Camera unit, use with base unit HIGHWIRE Longstar devices
Veracity	**VHW-HW**	**0505010**	HIGHWIRE Ethernet over coax (no PoE), 300m on RG59, 500m on RG11 at 100BASE-TX
Veracity	**VHW-HWPS-B**	**0595730**	HIGHWIRE Powerstar Base. Ethernet and PoE over coax unit, 300m on RG59
Veracity	**VHW-HWPS-C**	**0595720**	HIGHWIRE Powerstar Camera. Ethernet and PoE over coax unit, 300m on RG59
Veracity	**VHW-HWPS-C2**	**0796380**	HIGHWIRE Powerstar Duo, a 2-port PoE EoC adaptor, with up to 25W PoE
Veracity	**VHW-HWPS-C4**	**0796390**	HIGHWIRE Powerstar Quad, PoE & EoC with integrated 4-port PoE switch
Veracity	**VHW-HWPS-ERK4-UK**	**0811460**	HIGHWIRE Powerstar 4 channel video encoder replacement kit - for upgrading to IP cameras
Veracity	**VHW-HWPS-B4**	**0817250**	HIGHWIRE Powerstar Base 4, PoE EoC, a legacy video encoder replacement
Veracity	**VHW-HWPS-B8**	**0815050**	HIGHWIRE Powerstar Base 8, with 8 channels of PoE Plus EoC and Gigabit
Veracity	**VHW-HWPS-B8-LL**	**0851400**	HIGHWIRE Powerstar Base 8 LINKLOCK, secure tamper-proof coax n/w connections
ETHERNET EXTENDERS & REPEATERS			
AMG Systems	**AMG160-1F-1EU**	**0876400**	1 x 10/100BaseT(x) RJ45, 1 x Extend-Net™ UTP Ethernet extender RJ45
AMG Systems	**AMG140B-1GR**	**0899850**	Basic model, industrial 1 channel PoE Ethernet Repeater, 1 x 10/100/1000Base-T(x) RJ45 in port, 1 x 10/100/1000Base-T(x) RJ45 out port, 100m distance extension, supports 802.3at 30W PoE user-selectable pass-through or PD modes, DIN rail/wall mount, -40°C to +75°C
AMG Systems	**AMG140-1GR**	**0899860**	Advanced model, industrial 1 channel PoE Ethernet Repeater, 1 x 10/100/1000Base-T(x) RJ45 in port, 1 x 10/100/1000Base-T(x) RJ45 out port, 100m distance extension, supports 802.3at/bt 30/60/90W PoE user-selectable pass-through or PD modes, link fault pass-through & 250m extended distance functions, DIN rail/wall mount, -40°C to +75°C
AMG Systems	**AMG172-1G-1V**	**0866210**	Industrial VDSL2 Ethernet Extender, 1 x 10/100/1000Base-T(x) RJ45 port & 1 x VDSL2 RJ45 port, DIN rail/wall mount, -20°C to +65°C, 9-30VDC power input, Coax & 2-pin screw terminal adapter included
Veracity	**VOR-ORL**	**0543930**	OUTREACH Lite, 100BaseTX network extender with no PoE out (adds 100m)
Veracity	**VOR-ORL-G**	**0851420**	OUTREACH Lite G, Gigabit Ethernet, extends data only Ethernet by 100m
Veracity	**VOR-ORL-GXT**	**0574290**	OUTREACH Lite GXT, Gigabit IP67 external network extender, no PoE out
Veracity	**VOR-ORL-XT**	**0626330**	OUTREACH Lite XT, 100BaseTX network extender with no PoE out
Veracity	**VOR-ORM**	**0549500**	OUTREACH Max. LAN and PoE extender, extends Ethernet by 100m, daisy chain to 1000m
Veracity	**VOR-ORM-XT**	**0604890**	OUTREACH Max XT. IP67 external LAN and PoE extender for devices up to 60W
Veracity	**VOR-ORM-G**	**0851440**	OUTREACH Max G, Gigabit Ethernet & Hi-POE extender, 100m extension
Veracity	**VOR-ORM-GXT**	**0574280**	OUTREACH Max GXT, Gigabit IP67 external network extender with PoE to 60W
POE INJECTORS			
AMG Systems	**AMG150-2GAT-P60**	**0876430**	Industrial PoE injector, 2x 10/100/1000Base-T(x) RJ45 with 802.3at 30W PoE, can be 1x in & 1x 30W out or 2x 30W out, 48-56VDC input, DIN rail/wall mount, -40°C to +75°C
AMG Systems	**AMG150-2GBT-P180**	**0872450**	Industrial PoE injector, 2x 10/100/1000Base-T(x) RJ45 with 802.3bt 60/90W PoE, can be 1x in & 1x 90W out or 2x 90W out, 48-56VDC input, DIN rail/wall mount, -40°C to +75°C
ETHERNET SYSTEM ANCILLARIES			
AMG Systems	**AMG110M-1G-SP**	**0899870**	Industrial PoE surge protector, 1 x 10/100/1000Base-T(x) RJ45 port in-line, 65W PoE support, -40°C to +75°C

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Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS IP TRANSMISSION			
AMG Systems	**AMG8870F-06-2**	**0575120**	Up to 870Mbps (500Mbps video) radio, 6Km, internal 16° antenna, 2x radios (configured as PtP), 2x 24VDC Passive PoE injectors and 2x pole mount brackets (wall mount is a cost option)
AMG Systems	**AMG8870F-06**	**0673410**	Up to 870Mbps (500Mbps video) radio, 6Km, internal 16° antenna, 1x radio (configured as PtP or PtMP), 1x 24VDC Passive PoE injector and 1x pole mount bracket (wall mount is a cost option)
AMG Systems	**AMG8870F-03-90**	**0673420**	Up to 870Mbps (500Mbps video) radio, 3Km, internal 90° antenna, 1x radio (configured as Ptp or PtMP), 1x 24VDC Passive PoE injector and 1x pole mount bracket (wall mount is a cost option)
AMG Systems	**AMG750-1G-4GAT-1E4-P120**	**0876390**	Industrial Grade Managed 4G Router (EU), 5 x 10/100/1000BaseT(x) RJ45 (4 x 30W PoE), WiFi, RS232/485, Dual-SIM, -40°C to +75°C
ACCESSORIES			
Veracity	**VRM-TRAY-BASE**	**0146730**	1U rackmount tray & fascia for VHW-HWPS-B8, VLS-LS-B8 and VPSU-57V-1U
Veracity	**VHW-1U**	**0547880**	1U, 19" Rackmount bracket for 8 x HIGHWIRE or HIGHWIRE Powerstar units
NETWORK TIME SERVERS			
Veracity	**VTN-TN-PRO**	**0078700**	TIMENET Pro, GPS Master NTP Time Server & antenna, field upgradeable
INSTALLATION TOOLS			
Veracity	**VAD-PP**	**0527850**	PINPOINT IP camera installation tool to allow local viewing on laptop or tablet
Veracity	**VAD-PPW**	**0823250**	PINPOINT Wireless - PoE-powered IP camera installation tool, wireless link & smart app
Veracity	**VAD-PSW**	**0759410**	POINTSOURCE Wireless, a portable battery-powered PoE injector with WAP
Veracity	**VAD-PS-BM**	**0796430**	POINTSOURCE Battery module, additional removable battery with charger
Veracity	**VAD-PSP**	**0796440**	POINTSOURCE Plus, a portable battery-powered PoE & PoE Plus injector

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Manufacturer	Part No.	Quick Ref.	Product Description
IP CAMERA HOUSINGS			
Vista	**VHE-23HV**	**0356960**	External housing IP66 230VAC, RAL 7035
Vista	**VHE-23LV**	**0356970**	External housing IP66 24VAC, RAL 7035
IP CAMERA HOUSING BRACKETS			
Hanwha Techwin	**SBO-126B**	**0573820**	Bullet back box
Vista	**VHE-23-EPMA**	**0442920**	External pole mount adaptor for 1 or 2 VHE-23 housings
Vista	**VHE-23-HTRHV**	**0444630**	Heater assembly for VHE-23, 230VAC
Vista	**VHE-23-HTRLV**	**0444620**	Heater assembly for VHE-23, 24VAC

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*Feedback from May 2021 customer survey.

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Manufacturer	Part No.	Quick Ref.	Product Description
VISTA IP SM PTZ DOME ACCESSORIES			
Vista	**DJBW**	**0811180**	Dome junction box, white
Vista	**VPL-SM-FMW**	**0508680**	Flush mount bracket for SM PTZ camera (not VK2-HDX23IR-SM), white
Vista	**VCW-EWMB**	**0815480**	External wall mount bracket for SM PTZ cameras, white
Vista	**VDM-WMVRD**	**0366950**	External wall mount bracket for SM PTZ cameras, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-ECMAW**	**0718920**	External corner mount adaptor, white
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VPL-IPMAW**	**0718900**	Internal pendant mount adaptor for SM PTZ cameras, white
Vista	**VRD-EPMBW**	**0811200**	External pendant mount bracket 0.5m for SM PTZ cameras, white
Vista	**VDM-EPMAW**	**0718930**	External pole mount adaptor, white
Vista	**VRD-TMW**	**0811210**	Swan neck tower mount for SM PTZ cameras, white
Vista	**VRD-TMJBW**	**0811220**	Swan neck tower mount with junction box for SM PTZ cameras, white

vista

SURFACE MOUNT PTZ CAMERAS

The following styles of camera are compatible with the bracketry shown here:

A) VK2-HD20-SMW
A) VP-HDA20-SMW
B) VK2-HDX23IR-SMW
B) VP-HDA20IR-SMW

SOLID CEILING MOUNT

DJBW
(0811180)

FALSE CEILING MOUNT

VPL-SM-FMW
(0508680)

(A only)

WALL MOUNT

VCW-EWMB
(0815480)

WALL MOUNT WITH J. BOX

VDM-WMVRD
(0366950)

+

VDM-WMJB
(0366930)

CORNER MOUNT

See
Wall Mount with J. Box

+

VDM-ECMAW
(0718920)

SIDE POLE MOUNT

See
Wall Mount with J. Box

+

VDM-EPMAW
(0718930)

SWAN NECK

VRD-TMW
(0811210)

OR

VRD-TMJBW
(0811220)
with integral junction box

PENDANT (FIXED LENGTH)

VRD-EPMBW
(0811200)
length 500mm

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

VDM-2MP(VW)
(0476060)
2m pole

+

+

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

VPL-IPMAW
(0718900)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA IP PM PTZ DOME ACCESSORIES			
Vista	**VDM-WMVP**	**0366940**	External wall mount bracket for PM PTZ cameras, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-ECMAW**	**0718920**	External corner mount adaptor, white
Vista	**VPP-IPMB250**	**0472170**	Internal pendant mount bracket 250mm drop for PM PTZ cameras
Vista	**VPP-IPMB500**	**0472180**	Internal pendant mount bracket 500mm drop for PM PTZ cameras
Vista	**VPP-IPMB1000**	**0472190**	Internal pendant mount bracket 1000mm drop for PM PTZ cameras
Vista	**VPP-IPMB2000**	**0472200**	Internal pendant mount bracket 2000mm drop for PM PTZ cameras
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VPP-IPMAW**	**0663570**	Internal pendant mount adaptor for PM PTZ cameras, white
Vista	**VDM-TM(VW)**	**0476340**	Swan neck tower mount for PM PTZ cameras, white
Vista	**VDM-TMJB(VW)**	**0476350**	Swan neck tower mount with junction box for PM PTZ cameras, white

vista

PENDANT MOUNT PTZ CAMERAS

The following style of camera is compatible with the bracketry shown here:

A) VK2-4KX30IR-PM
B) VP-HDA30IR-PMW

A

B

WALL MOUNT

VDM-WMVP
(0366940)

WALL MOUNT WITH J. BOX

VDM-WMVP
(0366940)

+

VDM-WMJB
(0366930)

CORNER MOUNT

See
Wall Mount
or
Wall Mount with J. Box

+

VDM-ECMAW
(0718920)

SIDE POLE MOUNT

See
Wall Mount
or
Wall Mount with J. Box

+

VDM-EPMAW
(0718930)

SWAN NECK

VDM-TM(VW)
(0476340)

OR

VDM-TMJB(VW)
(0476350)
with integral junction box

PENDANT (FIXED LENGTH)

VPP-IPMB250 (0472170)
length 250mm
OR
VPP-IPMB500 (0472180)
length 500mm
OR
VPP-IPMB1000 (0472190)
length 1000mm
OR
VPP-IPMB2000 (0472200)
length 2000mm

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

VDM-2MP(VW)
(0476060)
2m pole

+

+

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

VPP-IPMAW
(0663570)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Experience
The Norbain Advantage

Pre-configuration service

- Programming of IP addresses into cameras and servers to make all devices present on the network
- Setting up camera streams for quality and rate in accordance with client requirements
- Configuration of software/NVR to communicate with cameras
- Installation of software onto servers
- Configuration of software/NVR to record streams
- Labelling of all cameras and equipment

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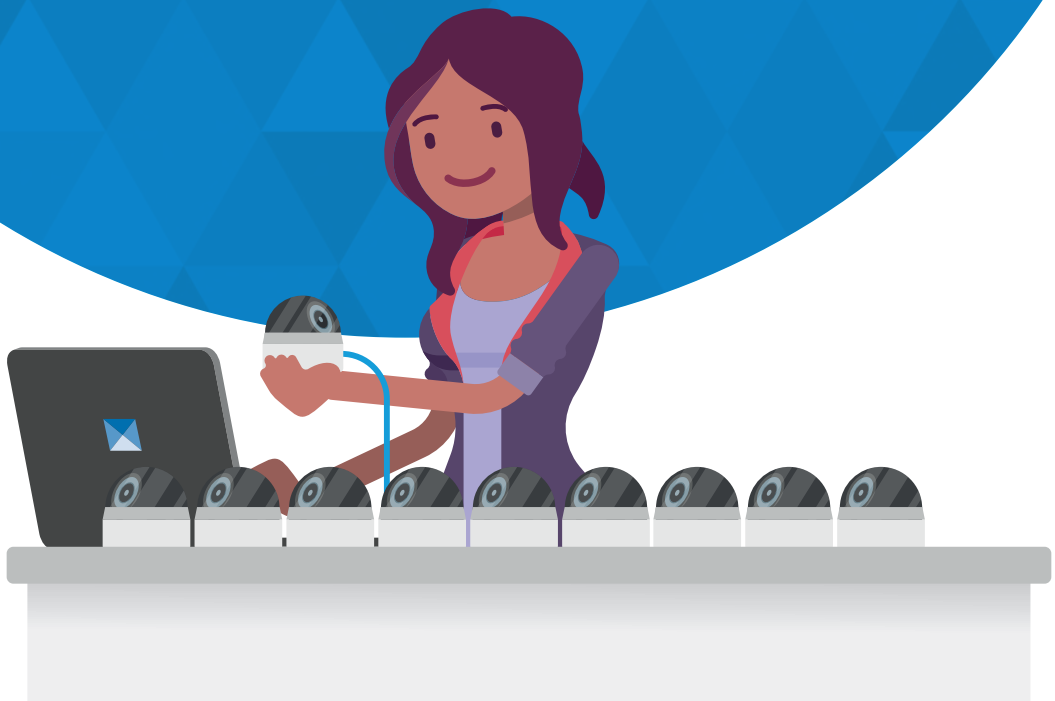

	Manufacturer	Part No.	Quick Ref.	Product Description
IP INSTALLATION TOOLS				
A	Vista	**DIAMOND4K**	**0872170**	Multi-function IP/CVBS/TVI/AHD/CVI test monitor

vista

DIAMOND4K

- In-built VK2-Remote IP camera App
- ONVIF camera tester
- IP address discovery tool
- Manufacturer-specific camera viewers
- RTSP viewer
- Screen snapshot

DIAMOND4K is the CCTV engineer's ultimate test tool. Packed with functions developed to make the job of installing, commissioning and fault finding of CCTV systems easier, this ergonomically designed touch-screen monitor is a must have for any installation engineer. As a basic test monitor, DIAMOND4K will accept virtually any CCTV format including IP, CVBS, TVI, AHD and CVI video. Both RS485 and UTC protocols for TVI, AHD & CVI PTZ cameras can be tested directly from the unit.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
RAYTEC IP NETWORK LIGHTING				
	Raytec	**VAR2-IPPOE-i4-1**	**0795720**	VARIO2 IP PoE i4 Network Illuminator, 3 angles, 24VDC/PoE+, 850nm
	Raytec	**VAR2-IPPOE-i6-1**	**0822650**	VARIO2 IP PoE i6 Network Illuminator, 3 angles, 24VDC/PoE+, 850nm
	Raytec	**VAR2-IPPOE-i8-1**	**0795730**	VARIO2 IP PoE i8 Network Illuminator, 3 angles, 24VDC/PoE++, 850nm
	Raytec	**VAR2-IPPOE-w4-1**	**0795740**	VARIO2 IP PoE w4 Network Illuminator, 3 angles, 24VDC/PoE+, White-Light
	Raytec	**VAR2-IPPOE-w8-1**	**0795750**	VARIO2 IP PoE w8 Network Illuminator, 3 angles, 24VDC/PoE++, White-Light
	Raytec	**VAR2-IP-i16-1**	**0575200**	VARIO2 IP i16 Network Illuminator, 3 angles, 24VDC, 850nm
	Raytec	**VAR2-IP-w16-1**	**0575210**	VARIO2 IP w16 Network Illuminator, 3 angles, 24VDC, White-Light
RAYTEC IP POE HYBRID NETWORK LIGHTING				
	Raytec	**VAR2-IPPOE-hy4-1**	**0483430**	VARIO2 IP PoE Hybrid hy4 network illuminator, 24VDC/PoE+, 850nm and White-Light
A	Raytec	**VAR2-IPPOE-hy6-1**	**0822660**	VARIO2 IP PoE Hybrid hy6 network illuminator, 24VDC/PoE++, 850nm and White-Light
	Raytec	**VAR2-IPPOE-hy8-1**	**0484640**	VARIO2 IP PoE Hybrid hy8 network illuminator, 24VDC/PoE+, 850nm and White-Light
GJD IP POE LIGHTING				
	GJD	**IS-8-P**	**0730340**	CLARIUS® PLUS small 850nm IR PoE 15W LED light comes with variable angle diffusers
	GJD	**IM-8-P**	**0730350**	CLARIUS® PLUS medium 850nm IR PoE 26W LED light comes with variable angle diffusers
	GJD	**IM-8-IP**	**0821370**	CLARIUS® PLUS IP medium Infra-Red LED illuminator
	GJD	**VS-CW-P**	**0730360**	CLARIUS® PLUS small White-Light PoE 15W LED light comes with variable angle diffusers
	GJD	**VM-CW-P**	**0730370**	CLARIUS® PLUS medium White-Light PoE 26W LED light comes with variable angle diffusers
	GJD	**VM-CW-IP**	**0821380**	CLARIUS® PLUS IP medium White-Light LED illuminator
	GJD	**HL-8CW-IP**	**0863590**	CLARIUS® Large Hybrid IP PoE+ 850nm IR/WL
RAYTEC POE LIGHTING				
	Raytec	**VAR2-POE-i2-1**	**0795760**	VARIO2 i2 PoE, 10x10, 30x10 and 60x25 angles, PoE, 850nm
	Raytec	**VAR2-POE-i4-1**	**0795770**	VARIO2 i4 PoE, 10x10, 30x10 and 60x25 angles, PoE+, 850nm
	Raytec	**VAR2-POE-i6-1**	**0206800**	VARIO2 i6 PoE, 10x10, 30x10 and 60x25 angles, PoE+, 850nm
	Raytec	**VAR2-POE-i8-1**	**0795780**	VARIO2 i8 PoE, 10x10, 30x10 and 60x25 angles, PoE++, 850nm
	Raytec	**VAR2-POE-w2-1**	**0795790**	VARIO2 w2 PoE, 10x10, 30x10 and 60x25 angles, PoE, White-Light
	Raytec	**VAR2-POE-w4-1**	**0795800**	VARIO2 w4 PoE, 10x10, 30x10 and 60x25 angles, PoE+, White-Light
	Raytec	**VAR2-POE-w8-1**	**0795810**	VARIO2 w8 PoE, 10x10, 30x10 and 60x25 angles, PoE++, White-Light

raytec

A VAR2-IPPOE-hy6-1

- Smart hybrid network lighting for IP cameras
- Infra-Red and White-Light in a single unit
- Infra-Red for surveillance & White-Light for deterrent/colour images
- PLATINUM Elite SMT LED technology
- Smart and programmable - reponds to any event
- Integrated web interface/API for platform integration

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
IP PUBLIC ADDRESS				
	TOA	**SC-P620-EB**	**0786220**	Powered horn speaker (20W), 12VDC 2A, line input, IP65 rated, white
	TOA	**NX-100S**	**0426540**	Network audio adaptor - standard model (requires AD-246 PSU)
B	TOA	**IP-A1SC15**	**0876510**	IP horn speaker, 15W, with PoE/PoE+/ONVIF/SIP/2 x Control in/1 x Control out
IP DETECTORS				
	GJD	**GJD515**	**0721370**	Laser-Watch detector 500m 20 zones, PoE
	GJD	**GJD516**	**0793100**	IPAnything input/output board
	GJD	**GJD517**	**0793110**	Laser-Watch wall mount bracket
	GJD	**GJD519**	**0860550**	IPAnything ABS input/output board
	GJD	**GJD230**	**0748510**	D-TECT 2 IP - Range programmable up to 30m external quad PIR with IP connectivity
	GJD	**GJD260**	**0721540**	D-TECT 3 IP - Range programmable up to 30m dual-tech quad PIR/microwave with IP connectivity
	GJD	**GJD250**	**0721530**	D-TECT 50 IP - Range programmable up to 50m PIR with IP connectivity
	GJD	**GJD1060**	**0876510**	Network Bridge
	Optex	**SIP-3020/5-IP-BOX**	**0392880**	SIP-3020-IP, SIP with independent 5x5m creep zone detector, storage box for PIE-1
	Redwall (Optex)	**SIP-4010-IP-BOX**	**0850990**	IP Redwall 40x10m, PoE, with IP encoder and enclosure box
	Optex	**SIP-5030-IP-BOX**	**0755420**	50x30m with independent 5x5m creep zone detector for IP system, Power over Ethernet, storage box for PIE-1
LASER DETECTION				
	Redwall (Optex)	**RLS-2020S**	**0707000**	REDSCAN Laser scanner, 20x20m or 30m radius, 95°, IP/PoE, indoor and outdoor usage
	Optex	**RLS-2020I**	**0146460**	Redscan mini 20x20m, 95°, indoor use
	Optex	**RLS-3060V**	**0875610**	Redscan mini 20x20m, 95°, indoor use
	Optex	**RLS-50100V**	**0875620**	Redscan mini 20x20m, 95°, indoor use

TOA

B IP-A1SC15

- Max sound pressure level 124dB @15W powered with PoE+
- Operating temperature: -30°C to 55°C
- IP66 (dust/water protection)
- Up to 20 sound sources can be stored on integrated audio source
- Individual volume level adjustment to each audio source to ensure uniform output
- IP-A1SC15 can be integrated with security video surveillance system via network platform

Experience
The Norbain Advantage

INDUSTRY-LEADING TECHNICAL SUPPORT

Our technical staff are trained to provide first line support, free of charge, on every product we sell. This provides our customers with the reassurance of expert technical back up from 8.30am to 6.00pm, Monday to Friday.
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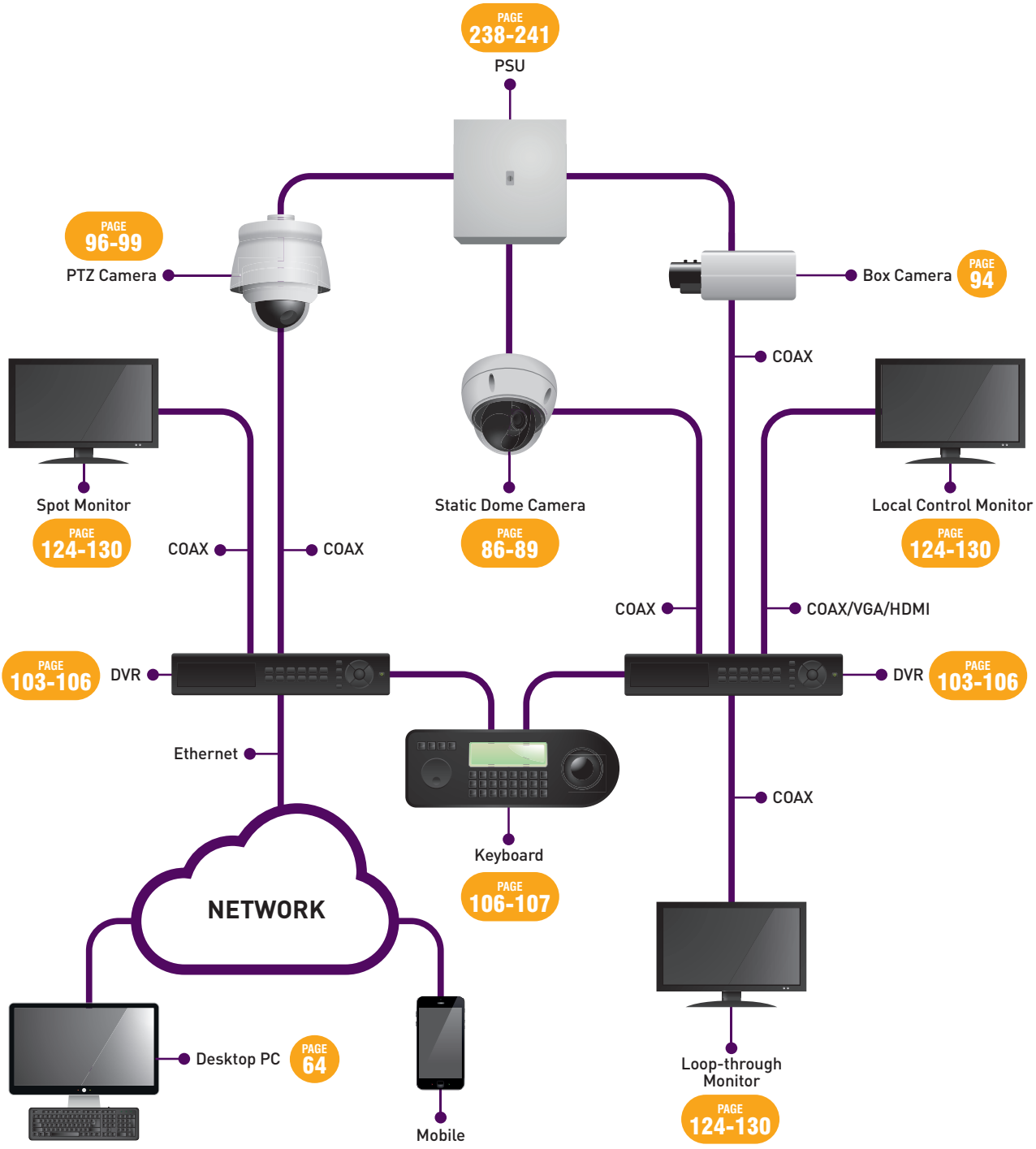
All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

ANALOGUE CAMERAS

The below schematic shows a typical coax based CCTV system using a DVR and keyboard to control both PTZ and static cameras. In addition, the schematic takes into account the use of a router for external access to and from the internet or mobile applications to view live and archived images.



ANALOGUE CAMERAS
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	Manufacturer	Part No.	Quick Ref.	Resolution	Signal Format	Sensor	Lens	Lens Type	Sensitivity	Operation	WDR	Case	Bubble	Liner	Power
INTERNAL STATIC HDA DOMES															
	Hanwha Techwin	**HCD-6010**	**0634520**	1080p	AHD/CVBS	1/2.8" CMOS	2.8mm	Fixed	0.27 lux	-	120dB	White	Clear	-	12VDC
	Hanwha Techwin	**HCD-6020R**	**0872810**	1080p	AHD/CVBS	1/2.8" CMOS	4mm	Fixed	0.17 lux	-	120dB	White	Clear	-	12VDC
	Hanwha Techwin	**HCD-6070R**	**0298590**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Manual	0.11 lux	-	120dB	Ivory	Clear	-	24VAC/12VDC
	Hanwha Techwin	**HCD-6080R**	**0298600**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Motorised	0.11 lux	-	120dB	Ivory	Clear	-	24VAC/12VDC
	Hanwha Techwin	**HCD-7010R**	**0847130**	1080p	AHD/CVBS	1/3" CMOS	2.8mm	Fixed	0.26 lux	-	120dB	White	Clear	-	12VDC
	Hanwha Techwin	**HCD-7020R**	**0894160**	1080p	AHD/CVBS	1/3" CMOS	4mm	Fixed	0.27 lux	-	120dB	White	Clear	-	12VDC
	Hanwha Techwin	**HCD-7030R**	**0894170**	1080p	AHD/CVBS	1/3" CMOS	6mm	Fixed	0.27 lux	-	120dB	White	Clear	-	12VDC
	Hanwha Techwin	**HCD-7070R**	**0847160**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Manual	0.16 lux	-	120dB	White	Clear	-	12VDC
A	Vista	**VFDA28V12HDA-WCB**	**0338700**	1080p	AHD/TVI/CVBS	1/2.9" CMOS	2.8-12mm	Manual	1.0/0.1 lux	TDN	Digital	White	Clear	Black	12/24V
B	Vista	**VFDA28V12HDA-WCW**	**0815550**	1080p	AHD/TVI/CVBS	1/2.9" CMOS	2.8-12mm	Manual	1.0/0.1 lux	-	Digital	White	Clear	White	12/24V
C	Vista	**VFDA28V12HDA-BCB**	**0815560**	1080p	AHD/TVI/CVBS	1/2.9" CMOS	2.8-12mm	Manual	1.0/0.1 lux	-	Digital	Black	Clear	Black	12/24V

A
VFDA28V12HDA-WCB

B
VFDA28V12HDA-WCW

C
VFDA28V12HDA-BCB

VFDA28V12HDA-SERIES

- Full 1080p imaging in TVI & AHD
- Triple format (TVI/AHD/CVBS)
- True Day/Night operation
- Can output CVBS legacy DVR support

The VFDA28V12HDA Series consists of discrete, fixed internal dome cameras, capable of providing full HD 1080p resolution in TVI/AHD High Definition Analogue (HDA) format, using the coax cabling. With a wide range of features, it is suitable for many internal applications. Crystal clear images are provided via the 2.8-12mm 2MP lens and the VFDA28V12HDA incorporates a comprehensive On Screen Display (OSD) menu. Accessible features include DWDR to provide balanced images in areas where there are contrasting scenes of view, along with Automatic Gain Control (AGC), Back Light Compensation (BLC), peak white inversion and 4 user-defined privacy zones.

The OSD is accessed locally from the tact switch, or over the coax if used with a compatible HDA DVR, making image set up and adjustment very easy for both installation and any servicing adjustments. Switching between the TVI/AHD/CVBS formats is quick and simple, aided by the support of legacy DVR/control equipment and a simple upgrade path to HD images on existing analogue systems once the DVR is upgraded.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Experience
The Norbain Advantage

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	Manufacturer	Part No.	Quick Ref.	Resolution	Signal Format	Sensor	Lens	Lens Type	Sensitivity	Operation	WDR	Max. IR Range	IP/IK Rating	Colour	Operating Temperature	Power
EXTERNAL STATIC DOMES																
	Hikvision	**DS-2CE72HFT-F28(2.8mm)**	**0630460**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.0005/0 lux with White Light	TDN	130dB	20m	IP67	White	-40 to 60°C	12VDC
	Hikvision	**DS-2CE72KF3T-E(2.8mm)**	**0899330**	5MP	TVI	1/2.7" CMOS	2.8mm	Fixed	0.0005/0 lux with White light	TDN	130dB	20m	IP67	White	-40 to 60°C	12VDC
	IDIS	**TC-D4222WRX**	**0855260**	1080p	AHD/TVI/CVI/CVBS	1/2.8" CMOS	2.8-12mm	Manual	0.1/0 lux (IR LED on)	TDN	120dB	30m	IP66/IK10	White	-10 to 50°C	12VDC/24VAC
EXTERNAL STATIC HDA DOMES																
	Hanwha Techwin	**HCV-6070R**	**0298700**	1080p	AND/CVBS	1/3" CMOS	3.2-10mm	Manual	0.11/0 lux (IR LED on)	-	120dB	30m	IP66/IK10	Ivory	-30 to 55°C	12VDC/24VAC
	Hanwha Techwin	**HCV-6080**	**0894240**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Motorised	0.11/0 lux (IR LED on)	-	120dB	30m	IP66/IK10	-	-30 to 55°C	12VDC
	Hanwha Techwin	**HCV-6080R**	**0847180**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Motorised	0.11/0 lux (IR LED on)	-	120dB	30m	IP66/IK10	Ivory	-30 to 55°C	12VDC/24VAC
	Hanwha Techwin	**HCV-7010R**	**0894250**	1080p	AHD/CVBS	1/3" CMOS	2.8mm	Fixed	0.26/0 lux (IR LED on)	-	Digital	20m	IP66/IK10	-	-30 to 55°C	12VDC
	Hanwha Techwin	**HCV-7020R**	**0894260**	1080p	AHD/CVBS	1/3" CMOS	4mm	Fixed	0.27/0 lux (IR LED on)	-	Digital	25m	IP66/IK10	-	-30 to 55°C	12VDC
	Hanwha Techwin	**HCV-7030R**	**0894270**	1080p	AHD/CVBS	1/3" CMOS	6mm	Fixed	0.27/0 lux (IR LED on)	-	Digital	30m	IP66/IK10	-	-30 to 55°C	12VDC
	Hanwha Techwin	**HCV-7070R**	**0825900**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Manual	0.16/0 lux (IR LED on)	-	Digital	30m	IP66/IK10	-	-10 to 55°C	12VDC
A	Vista	**VVRD28V12MHDAW**	**0815570**	1080p	AHD/TVI/CVBS	1/2.9" CMOS	2.8-12mm	Motorised	1.0/0.1 lux	TDN	Digital	-	IP66/IK10	White	-10 to 50°C	12/24V
B	Vista	**VVRD28V12MHDAIRW**	**0815580**	1080p	AHD/TVI/CVBS	1/2.9" CMOS	2.8-12mm	Motorised	1.0/0 lux	TDN	Digital	25m	IP66/IK10	White	-10 to 50°C	12/24V
B	Vista	**VVRD28V12MHDAIRSW**	**0815590**	1080p	AHD/TVI/CVBS	1/2.8" CMOS	2.8-12mm	Motorised	0.03/0 lux	TDN	120dB	30m	IP66/IK10	White	-10 to 50°C	12/24V

vista STARVIS

VVRD28V12MHDAW SERIES

- Full 1080p imaging in TVI & AHD
- Triple format (TVI/AHD/CVBS)
- Coax telemetry in TVI for OSD set up and motorised lens control
- True Day/Night operation
- Can output CVBS for legacy DVR support lens control

A
VVRD28V12MHDAW

B
VVRD28V12MHDAIRW
VVRD28V12MHDAIRSW

The VVRD28V12MHDAW vandal resistant cameras are capable of providing full HD 1080p resolution in TVI/AHD High Definition Analogue (HDA) format, using over the coax cabling. With a wide range of features, they are suitable for many internal and external applications.

Motorised Lens: Allows the engineer to set the lens up from the DVR, making installation and adjustment easier and quicker.

STARVIS™ Technology: Sony's latest 1/3" back illuminated CMOS technology delivers exceptional quality colour images in low light scenes, where typically only black and white images would have been achievable. This is coupled with 120dB of true WDR to provide balanced images in challenging light conditions (HDAIRSW model).

TDN operation with IR option: The switching IR cut filter ensures quality images day or night, with the IRW model providing up to 25m of illumination and the IRSW providing up to 30m.

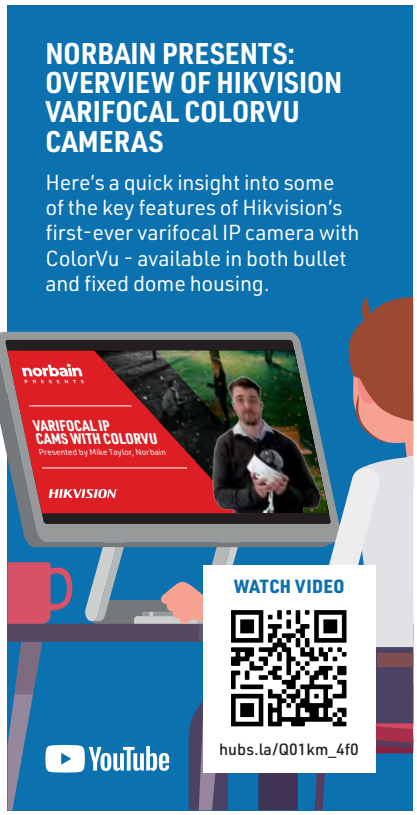
All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Resolution	Signal Format	Sensor	Lens	Lens Type	Sensitivity	Operation	WDR	Max. IR Range	IP/IK Rating	Colour	Operating Temperature	Power
EXTERNAL EYEBALL IR DOMES																
	Hikvision	**DS-2CE56D8T-ITME(2.8mm)**	**0313490**	1080p	TVI/CVBS	-	2.8mm	Fixed	0.005/0 lux with IR	TDN	120dB	20m	IP67	White	-40 to 60°C	12VDC/PoC.af
	Hikvision	**DS-2CE56D8T-IT3E(2.8mm)**	**0359790**	1080p	TVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.005/0 lux with IR	TDN	120dB	40m	IP67	-	-40 to 60°C	12VDC/PoC.af
	Hikvision	**DS-2CE56D8T-IT3ZE(2.7-13.5mm)**	**0630880**	1080p	TVI/CVBS	1/2.7" CMOS	2.7-13.5mm	Motorised	0.005/0 lux with IR	TDN	120dB	40m	IP67	-	-40 to 60°C	12VDC/PoC.af
	Hikvision	**DS-2CE12DF3T-F(2.8mm)**	**0895300**	1080p	AHD/TVI/CVI/CVBS	-	2.8mm	Fixed	0.0005/0 lux with White Light	-	130dB	20m	IP67	White	-40 to 60°C	12VDC
	Hikvision	**DS-2CE56D0T-VPIR3F(2.8-12mm)**	**0848040**	1080p	TVI/CVBS	1/2.7" CMOS	2.8-12mm	Motorised	0.01/0 lux with IR	TDN	120dB	40m	IP66	-	-40 to 60°C	12VDC
	Hikvision	**DS-2CE70KF0T-MFS(2.8mm)**	**0887010**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.001/0 lux with White Light	TDN	DWDR	20m	IP67	-	-40 to 60°C	12VDC
	Hikvision	**DS-2CE72KF0T-FS(2.8mm)**	**0886930**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.001/0 lux with White Light	TDN	DWDR	30m	IP67	-	-40 to 60°C	12VDC
	Hikvision	**DS-2CE76H0T-ITMF(2.8mm)(C)**	**0639640**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.01/0 lux with IR	TDN	DWDR	30m	IP67	-	-40 to 60°C	12VDC
	Hikvision	**DS-2CE76H0T-ITMFS(2.8mm)**	**0630200**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.01/0 lux with IR	TDN	DWDR	30m	IP67	-	-40 to 60°C	12VDC
	Hikvision	**DS-2CE78H0T-IT3FS(2.8mm)**	**0630180**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.01/0 lux with IR	TDN	DWDR	40m	IP67	-	-40 to 60°C	12VDC
	Hikvision	**DS-2CE5AH0T-AVPIT3ZF(2.7-13.5mm)(C)**	**0881040**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.7-13.5mm	Motorised	0.01/0 lux with IR	TDN	DWDR	40m	IP67	-	-40 to 60°C	12VDC/24VAC
	Hikvision	**DS-2CE78H0T-IT3E(2.8mm)(C)**	**0881100**	5MP	TVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.01/0 lux with IR	TDN	DWDR	40m	IP67	-	-40 to 60°C	12VDC/PoC.af
	Hikvision	**DS-2CE79H0T-IT3ZE(2.7-13.5mm)(C)**	**0881060**	5MP	TVI/CVBS	1/2.7" CMOS	2.7-13.5mm	Motorised	0.01/0 lux with IR	TDN	DWDR	40m	IP67	-	-40 to 60°C	12VDC/PoC.af
A	Hikvision	**DS-2CE72UF3T-E(2.8mm)**	**0870110**	5MP	TVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.0005/0 lux with White Light	TDN	130dB	40m	IP67	-	-40 to 60°C	12VDC/PoC.af
	Hikvision	**DS-2CE78U1T-IT3F(2.8mm)**	**0573500**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.01/0 lux with IR	TDN	DWDR	60m	IP67	-	-40 to 60°C	12VDC

HIKVISION

A DS-2CE72UF3T-E(2.8mm)

- Turbo HD camera with ColorVu
- 8MP, 3480x2160
- 24/7 colour imaging
- Clear imaging against strong back light (WDR tech)
- 3D DNR technology delivers clean & sharp images
- Solid light alarm (White Light) IP67



All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA INTERNAL STATIC DOME ACCESSORIES			
Vista	**DJBW**	**0811180**	Dome junction box, white
Vista	**VFDA-IWMB/W**	**0656110**	Internal wall mount bracket, white
Vista	**VCW-IWMB**	**0825400**	Internal wall mount bracket (plastic), white
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VXID-IPMAW**	**0718890**	Internal pendant mount adaptor for internal static cameras, white
VISTA EXTERNAL STATIC DOME ACCESSORIES			
Vista	**DJBW**	**0811180**	Dome junction box, white
Vista	**VCW-EWMB**	**0815480**	External wall mount bracket for VVRD, white
Vista	**VDM-WMVRD**	**0366950**	External wall mount bracket for VVRD, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VPL-IPMAW**	**0718900**	Internal pendant mount adaptor for VVRD cameras, white
Vista	**VRD-EPMBW**	**0811200**	External pendant mount bracket 0.5m for VVRD cameras, white
Vista	**VRD-TMW**	**0811210**	Swan neck tower mount for VVRD cameras, white
Vista	**VRD-TMJBW**	**0811220**	Swan neck tower mount with junction box for VVRD cameras, white

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

INTERNAL STATIC DOME ACCESSORIES

The following styles of camera are compatible with the bracketry shown here:

A) VFDA28V12HDA-XXX
B) VK2-2MPXVFDIR28V12M
B) VFDHD4X27V12IRM
C) VK2-3MPMD26e
D) VK2-5MP360INT

A

B

C

D

SOLID CEILING MOUNT

DJBW
(0811180)

WALL MOUNT

VFDA-IWMB/W
(0656110)

OR

VCW-IWMB
(0825400)

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

VDM-2MP(VW)
(0476060)
2m pole

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

VXID-IPMAW
(0718890)

EXTERNAL STATIC DOME ACCESSORIES

The following styles of camera are compatible with the bracketry shown here:

A) VVRDHD4X2712IRM
A) VVRD28V12MHDAW
A) VVRD28V12MHDAIRW
A) VVRD28V12MHDAIRSW
A) VK2-2MPXVRDIR37
A) VK2-2MPXVRDIR28V12M
A) VK2-4MPXVRDIR28V12M
B) VK2-3MPEFEDRe
B) VEFED28V12MHDAW
C) VK2-4MPTIR28V12M (DJBW only)
C) VTIRHDS28V12M (DJBW only)

A

B

C

SOLID CEILING MOUNT

DJBW
(0811180)

WALL MOUNT

VCW-EWMB
(0815480)

*Not for use with **C**

WALL MOUNT WITH J. BOX

VDM-WMVRD
(0366950) (A Only)

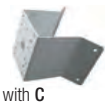
VDM-WMJB
(0366930)

*Not for use with **C**

CORNER MOUNT

See **Wall Mount with J. Box**

VDM-ECMAW
(0718920) (A Only)



*Not for use with **C**

SIDE POLE MOUNT

See **Wall Mount with J. Box**

VDM-EPMAW
(0718930) (A Only)

*Not for use with **C**

SWAN NECK

VRD-TMW
(0811210)
(A Only)

OR

VRD-TMJBW
(0811220)
(A Only)
with integral junction box

*Not for use with **C**

PENDANT (FIXED LENGTH)

VRD-EPMBW
(0811200)
(A Only)
length 500mm

*Not for use with **C**

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
(A Only)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
(A Only)
Girder adaptor

VDM-2MP(VW)
(0476060)
(A Only)
2m pole

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required (A Only)

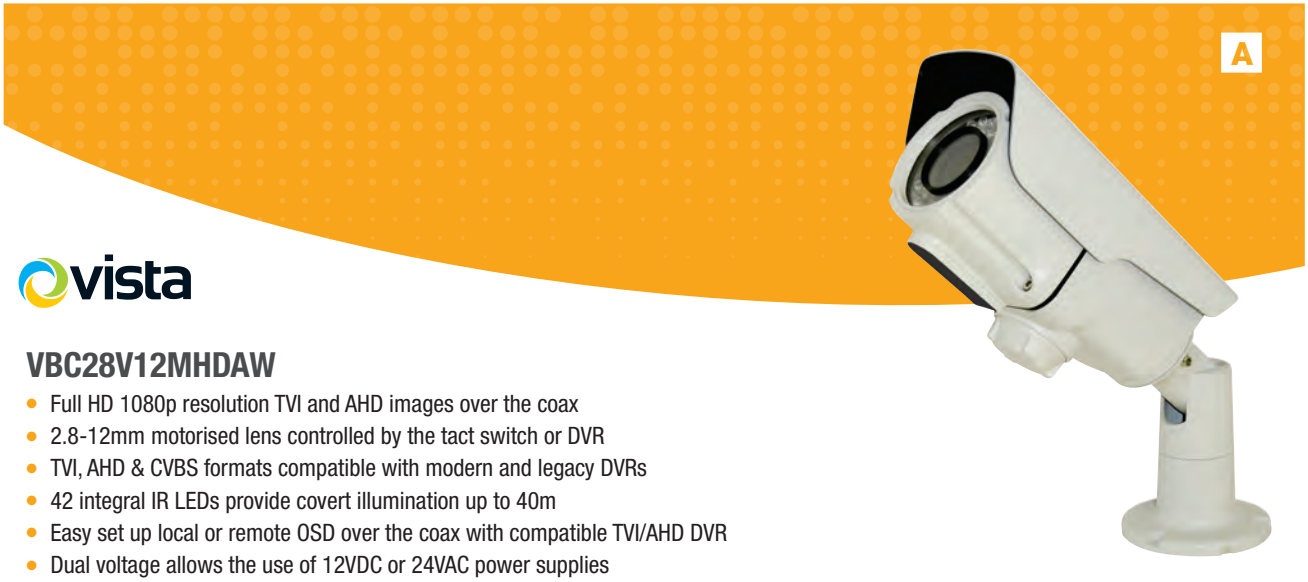
VPL-IPMAW
(0718900)
(A Only)

*Not for use with **C**

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Resolution	Signal Format	Sensor	Lens	Lens Type	Sensitivity	Operation	WDR	Max. IR Range	IP/IK Rating	Mounting Joint	Colour	Operating Temperature	Power
BULLET CAMERAS																	
	Hanwha Techwin	**HCO-6020R**	**0894180**	1080p	AHD/CVBS	1/2.8" CMOS	4mm	Fixed	0.17/0 lux	-	-		-	-	-	-	-
	Hanwha Techwin	**HCO-6070R**	**0298640**	1080p	AHD/CVBS	1/2.8"	3.2-10mm	Manual	0 lux (IR LED on)	-	120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hanwha Techwin	**HCO-6080**	**0894200**	1080p	AHD/CVBS	1/3" CMOS	3.2-10mm	Motorised	0.11/0.01 lux		120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hanwha Techwin	**HCO-6080R**	**0847250**	1080p	AHD/CVBS	1/2.8"	3.2-10mm	Motorised	0 lux (IR LED on)	-	120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hanwha Techwin	**HCO-7010R**	**0894250**	1080p	AHD/CVBS	1/3" CMOS	4mm	Fixed	0.26/0 lux		120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hanwha Techwin	**HCO-7020R**	**0894260**	1080p	AHD/CVBS	1/3" CMOS	4mm	Fixed	0.27/0 lux		120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hanwha Techwin	**HCO-7030R**	**0894270**	1080p	AHD/CVBS	1/3" CMOS	4mm	Fixed	0.27/0 lux		120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hanwha Techwin	**HCO-7070RA**	**0847290**	4MP	AHD/CVBS	-	3.2-10mm	Manual	0 lux (IR LED on)	-	120dB		IP66/IK10	-	Black	-30 to 55°C	12VDC
	Hikvision	**DS-2CE12HFT-F28(2.8mm)**	**0646590**	5MP	AHD/TVI/CVI/CVBS	-	2.8mm	Fixed	0.0005/0 lux with White Light	-	130dB		IP67	-	White	-40 to 60°C	12VDC
	Hikvision	**DS-2CE12KF0T-FS(2.8mm)**	**0886950**	5MP	AHD/TVI/CVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.001/0 lux with White Light	TDN	DWDR		IP67	2-Axis	White	-40 to 60°C	12VDC
	Hikvision	**DS-2CE12UF3T-E(2.8mm)**	**0870130**	5MP	TVI/CVBS	1/2.7" CMOS	2.8mm	Fixed	0.0005/0 lux with White Light	TDN	130dB		IP67	2-Axis	White	-40 to 60°C	12VDC/PoC.af
A	Vista	**VBC28V12MHDAW**	**0811170**	1080p	AHD/TVI/CVBS	1/2.9" CMOS	2.8-12mm	Motorised	1.0/0 lux	TDN	Digital		IP66/IK10	3-Axis	White	-10 to 50°C	12VDC

	Manufacturer	Part No.	Quick Ref.	Product Description
BULLET CAMERA ACCESSORIES				
	Vista	**VBC-EPMAW**	**0718910**	Pole mount adaptor for VBC/VK2 bullet cameras, white



vista

VBC28V12MHDAW

- Full HD 1080p resolution TVI and AHD images over the coax
- 2.8-12mm motorised lens controlled by the tact switch or DVR
- TVI, AHD & CVBS formats compatible with modern and legacy DVRs
- 42 integral IR LEDs provide covert illumination up to 40m
- Easy set up local or remote OSD over the coax with compatible TVI/AHD DVR
- Dual voltage allows the use of 12VDC or 24VAC power supplies

The VBC28V12MHDAW is a bullet camera providing full HD 1080p resolution in TVI and AHD High Definition Analogue (HDA) formats over the coax cabling. Incorporating an auto-focusing, motorised 2.8-12mm lens, this can be controlled either from the tact switch or over the coax from a compatible DVR. The tact switch also provides access to a comprehensive OSD, including Digital Wide Dynamic Range.

The 42 integral IR LEDs provide up to 40m illumination in low or zero light conditions. The 3-axis gimble wall bracket allows optimum positioning of the VBC28V12MHDAW, regardless of wall or soffit mounting. Default settings allow it to work automatically out of the box on TVI coax (for image and lens control), with 1000TVL available in CVBS mode, providing legacy DVR/control equipment support and a simple upgrade path to HD images on existing analogue systems once the DVR is upgraded.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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BOX CAMERAS

	Manufacturer	Part No.	Quick Ref.	Resolution	Signal Format	Sensor	Lens	Sensitivity	Operation	Lens Mount	Auto Back Focus	Auto Iris	Direct Drive	WDR	Remote Set-up	Colour	Operating Temperature	Power
	Hanwha Techwin	**HCB-6000**	**0847310**	1080p	AHD/CVBS	1/3" CMOS	-	0.09/0.009 lux@ F1.2	-	C/CS	-	✓	-	120dB	✓	Ivory	-10 to 55°C	12/24V
	Hanwha Techwin	**HCB-6000PH**	**0298550**	1080p	AHD/CVBS	1/3" CMOS	-	0.09/0.009 lux@ F1.2	-	C/CS	-	✓	-	120dB	✓	Ivory	-10 to 55°C	240VAC
	Hanwha Techwin	**HCB-6001**	**0847320**	1080p	AHD/CVBS	1/3" CMOS	-	0.09/0.009 lux@ F1.2	-	C/CS	-	✓	-	120dB	✓	Ivory	-10 to 55°C	12/24V
	Hanwha Techwin	**HCB-7000A**	**0897810**	1080p	AHD/CVBS	1/3" CMOS	-	0.16/0.009 lux	-	C/CS	-	✓	-	120dB	✓	-	-10 to 55°C	12/24V
	Hanwha Techwin	**HCB-7000PHA**	**0897840**	1080p	AHD/CVBS	1/3" CMOS	-	0.16/0.009 lux	-	C/CS	-	✓	-	120dB	✓	-	-10 to 55°C	240VAC
	Hanwha Techwin	**HCZ-6321**	**0857680**	2MP	AHD/CVBS	1/2.8" CMOS	-	0.01 lux	AHD Coax	4.44-142.6mm	✓	✓	-	120dB	✓	Black	-10 to 55°C	12VDC
A	Vista	**VPC-DNHDA**	**0146410**	1080p	AHD/TVI/ CVBS	1/2.9" CMOS	lens supplied separately	1.0/0.1 lux	TDN	C/CS	-	✓	✓	Digital	✓	Grey	-10 to 50°C	12/24V

CCTV LENSES

Manufacturer	Part No.	Quick Ref.	Product Description
Vista	**VDD5V5014PU**	**0315830**	1/3", CS, 5-50mm, F1.4-360, 10cm plugged lead
Vista	**VDD28V1214PU**	**0346450**	1/2.7" CS 2.8-12mm, F1.4 DD
Vista	**13VG550VI-100**	**0894910**	1/3" CS 5-50mm F/1.4 DD lens
Vista	**M13VG2713IR**	**0898330**	1/2.7" CS 2.7-13mm F/1.4 IR lens
Vista	**M12VG412AS-VI**	**0894920**	1/2" C 4-12mm IR

vista

VPC-DNHDA

- 1080p resolution in TVI or AHD ensures excellent images over coax
- Triple format of TVI, AHD & CVBS provides 1080p or 1000TVL in CVBS to ensure compatibility with modern and legacy DVRs
- TDN operation allows the camera to be used with IR illumination ensuring quality images day or night
- Local or remote OSD set up over the coax with a compatible TVI/AHD DVR, makes image adjustments and privacy zone set up quick and easy
- Dual voltage allows the use of 12VDC or 24VAC power supplies

The VP-DNHDA is a True Day/Night box camera capable of providing full HD 1080p resolution in TVI and AHD High Definition Analogue (HDA) formats over the coax cabling. With a wide range of features, it is suitable for many internal or external applications. The C/CS mount box camera has a comprehensive OSD, including DWDR to provide balanced images in areas where there are contrasting scenes of view, along with AGC, BLC, Peak White Inversion and 4 user-defined privacy zones.

The OSD is accessed from either the tactile buttons on the rear of the camera, or over the coax cable if used with a compatible HDA DVR, making image set up and adjustment very easy for installation and any servicing adjustments. On the rear of the camera there is a switch, putting the camera into CVBS 1000TVL mode, providing legacy DVR/ control equipment support and a simple upgrade path to HD images on existing analogue systems once the DVR is upgraded. Being a True Day/Night camera, the VPC-DNHDA has a moving IR cut filter, allowing the use of IR illumination to provide HD images in low or zero light conditions. The 12/24 dual voltage operation provides greater flexibility in the power supplies that can be used and the low power consumption lends itself to battery or solar applications.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

LENSES

The F number is an indication of the amount of light that will be passed through a lens. The smaller the F number the more light is passed. The F number is calculated by dividing the focal length by the effective diameter of the lens. When you adjust the lens by up to 1F stop, you halve the light passed through it. The 'F' stop assumes that there are no losses in the lens.

'F' stop down	Efficiency from 100% input	Number of 'F' stops
1	100	100
1.4	50	50
2	25	25
2.8	12.5	12.5
4	6.25	6.25
5.6	3.12	3.12

Lens information

Approximate Horizontal Angle of View

	1/4	1/3	1/2
2.8mm	64	80	97
3.5mm	5	68	84
4.0mm	45	60	74
4.8mm	38	40	69
6.0mm	30	38	57
8.0mm	23	30	40
12.0mm	15	20	30
12.5mm	14	19	28
16.0mm	11	15	22
25.0mm	7	10	14
50.0mm	4	5	7
75.0mm	2	3	5

Wide Angle
Standard Angle
Telephoto

Manufacturer	Part No.	Quick Ref.	Style	Zoom Ratio	Lens	Resolution	Sensitivity	Operation	WDR	IR Range	IP Rating	Colour	Operating Temperature	Power
ZOOM CAMERAS														
Hikvision	**DS-2CE79H8T-AIT3ZF(2.7-13.5mm)**	**0499920**	Turret	5:1	2.7-13.5mm	5MP	0.003/0 lux with IR	TDN	130dB	60m	IP67	White	-40 to 60°C	12/24V
Hikvision	**DS-2CE79U1T-IT3ZF(2.7-13.5mm)**	**0573510**	Turret	5:1	2.7-13.5mm	8MP	0.01/0 lux with IR	TDN	Digital	60m	IP67	White	-40 to 60°C	12VDC

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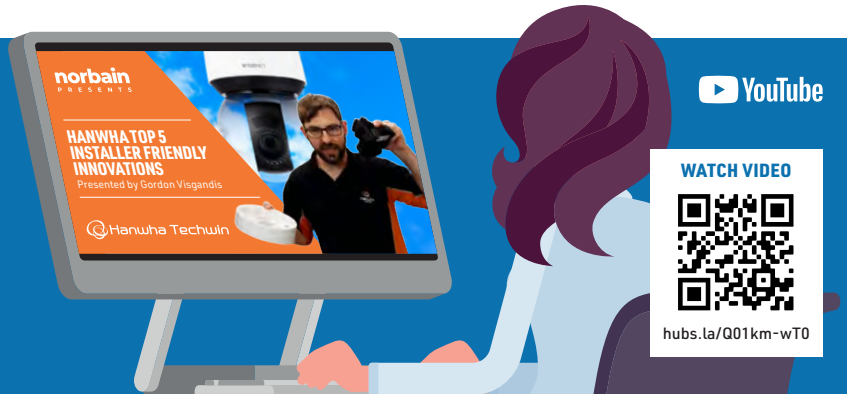
Watch Gordon Visgandis from Hanwha Techwin talk about five installer-friendly innovations for security installers. Find out about clever inventions like modular magnetic designs, PoE extenders, lighter PTZs and more, all designed to make your life easier.



All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Signal Format	Resolution	Sensitivity	Operation	WDR	Telemetry	Presets	Tours	Alarms I/O	IP/IK Rating	Bubble	Standard Mounting Type	Operating Temperature	Power
WISENET DOME RANGE - INTERNAL PTZ DOME CAMERAS																		
Hanwha Techwin	**HCP-6230**	**0819060**	1920x1080	4.44-142.6mm (Optical 32x)	AHD/ CVBS	1080p	0.2/0.01 lux @ F1.6	TDN	120dB	Coax/ RS485	255	6	4 in/2 out	IP66/ IK10	Clear	Surface	-10 to 55°C	-
WISENET DOME RANGE - EXTERNAL PTZ DOME CAMERAS																		
Hanwha Techwin	**HCP-6320HA**	**0664340**	1920x1080	4.44-142.6mm (Optical 32x)	AHD/ CVBS	1080p	0.2/0.01 lux @ F1.6	TDN	120dB	Coax/ RS485	255	6	4 in/2 out	IP66/ IK10	Clear	Pendant	-50 to 55°C	-
Hanwha Techwin	**HCP-6230H**	**0817160**	1920x1080	4.44-142.6mm (Optical 32x)	AHD/ CVBS	1080p	0.2/0.01 lux @ F1.6	TDN	120dB	Coax/ RS485	255	6	4 in/2 out	IP66/ IK10	Clear	Surface	-50 to 55°C	-

Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Signal Format	Resolution	Sensitivity	Operation	WDR	Telemetry	Presets	Tours	Alarms I/O	IP/IK Rating	Bubble	Standard Mounting Type	Operating Temperature	Power
HIKVISION PTZ DOME RANGE																		
Hikvision	**DS-2AE4215TI-D(E)**	**0645350**	15x	5-75mm	AHD/TVI/ CVI/CVBS	1080p	0.005/0.001/0 lux with IR	TDN	120dB	RS485	32	5	-	IP66	Clear	Pendant	-30 to 65°C	12VDC
Hikvision	**DS-2AE4225TI-D(E)**	**0682450**	25x	4.8-120 mm	AHD/TVI/ CVI/CVBS	1080p	0.005/0.001/0 lux with IR	TDN	120dB	RS485	32	5	-	IP66	Clear	Pendant	-30 to 65°C	12VDC
Hikvision	**DS-2AE5225TI-A(E)**	**0854580**	25x	4.8-120mm	TVI/AHD/ CVI/CVBS	2MP	0.005/0.001/0 lux with IR	Motorised	120dB	-	256	5	2 in/1 out	IP66	Clear	Pendant	-30 to 65°C	24VAC

MONITORS
See pages 124-130

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Zoom Ratio	Lens	Signal Format	Resolution	Sensitivity	Operation	WDR	Telemetry	Presets	Tours	Alarms I/O	IP/IK Rating	Bubble	Standard Mounting Type	Operating Temperature	Power
VISTA HDA FULLY FUNCTIONAL PTZ DOMES																		
Vista	**VP-HDA20-SMW**	**0718820**	20:1	4.7-94mm	AHD/TVI/CVBS	1080p/600TVL	0.35/0.013 lux	TDN	120dB	Coax/RS485	240	8	4 in/2 out	IP66/IK10	Clear	Surface	-10 to 50°C	12/24V
Vista	**VP-HDA20IR-SMW**	**0477230**	20:1	4.7-94mm	AHD/TVI/CVBS	1080p/600TVL	0.35/0 lux	TDN	120dB	Coax/RS485	240	8	4 in/2 out	IP66/IK10	Clear	Pendant	-20 to 50°C	12VDC

vista STARVIS

VP-HDA FULLY FUNCTIONAL PTZ DOMES

- Full 1080p imaging in TVI & AHD
- Sony STARVIS™ technology for excellent low-light images
- Triple format (TVI/AHD/CVBS)
- 256 presets/8 tours
- Up the coax telemetry in TVI & AHD
- RS485 telemetry for CVBS
- CVBS output for legacy systems

The VP-HDA PTZ high performance domes offer a 20:1 optical zoom in 1080p, plus a further x16 digital zoom. All VP-HDA PTZ domes come with STARVIS™ technology and 120dB of WDR for challenging light conditions. All three models include "quick-fit" design to make installation easier and provide strain relief on the flying lead.

STARVIS™ Technology: Using Sony's latest 1/3" back illuminated CMOS technology to deliver exceptional quality colour images in low light scenes, where typically only black and white images would be achievable.

Synchronised IR: The synchronised IR LED tracks with the camera zoom to provide optimum illumination in the area you are viewing. The HDA20IR provides up to 60m IR.

Quick-fit design: There is no need to open the dome during installation, therefore avoiding the chance of condensation. This reduces installation time and ensures efficient, effective operation.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA SM PTZ DOME ACCESSORIES			
Vista	**DJBW**	**0811180**	Dome junction box, white
Vista	**VPL-SM-FMW**	**0508680**	Flush mount bracket for SM PTZ camera (not VK2-HDX23IR-SM), white
Vista	**VCW-EWMB**	**0815480**	External wall mount bracket for SM PTZ cameras, white
Vista	**VDM-WMVRD**	**0366950**	External wall mount bracket for SM PTZ cameras, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
Vista	**VDM-ECMAW**	**0718920**	External corner mount adaptor, white
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VPL-IPMAW**	**0718900**	Internal pendant mount adaptor for SM PTZ cameras, white
Vista	**VRD-EPMBW**	**0811200**	External pendant mount bracket 0.5m for SM PTZ cameras, white
Vista	**VDM-EPMAW**	**0718930**	External pole mount adaptor, white
Vista	**VRD-TMW**	**0811210**	Swan neck tower mount for SM PTZ cameras, white
Vista	**VRD-TMJBW**	**0811220**	Swan neck tower mount with junction box for SM PTZ cameras, white

vista

SURFACE MOUNT PTZ CAMERAS

The following styles of camera are compatible with the bracketry shown here:

A) VP-HDA20-SMW
A) VK2-HD20-SMW
B) VK2-HDX23IR-SMW
B) VP-HDA20IR-SMW

SOLID CEILING MOUNT

DJBW
(0811180)

FALSE CEILING MOUNT

VPL-SM-FMW
(0508680)

(A only)

WALL MOUNT

VCW-EWMB
(0815480)

WALL MOUNT WITH J. BOX

VDM-WMVRD
(0366950)

VDM-WMJB
(0366930)

CORNER MOUNT

See **Wall Mount with J. Box**

VDM-ECMAW
(0718920)

SIDE POLE MOUNT

See **Wall Mount with J. Box**

VDM-EPMAW
(0718930)

SWAN NECK

VRD-TMW
(0811210)

OR

VRD-TMJBW
(0811220)
with integral junction box

PENDANT (FIXED LENGTH)

VRD-EPMBW
(0811200)
length 500mm

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

VDM-2MP(VW)
(0476060)
2m pole

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

VPL-IPMAW
(0718900)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA PM PTZ DOME ACCESSORIES			
Vista	**VDM-WMVP**	**0366940**	External wall mount bracket for PM PTZ cameras, white
Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVP), white
Vista	**VPP-IPMB250**	**0472170**	Internal pendant mount bracket 250mm drop for PM PTZ cameras
Vista	**VPP-IPMB500**	**0472180**	Internal pendant mount bracket 500mm drop for PM PTZ cameras
Vista	**VPP-IPMB1000**	**0472190**	Internal pendant mount bracket 1000mm drop for PM PTZ cameras
Vista	**VPP-IPMB2000**	**0472200**	Internal pendant mount bracket 2000mm drop for PM PTZ cameras
Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
Vista	**VDM-2MP(VW)**	**0476060**	2m pole, white
Vista	**VDM-C**	**0276250**	Pole coupler
Vista	**VPP-IPMAW**	**0663570**	Internal pendant mount adaptor for PM PTZ cameras, white
Vista	**VDM-EPMAW**	**0718930**	External pole mount adaptor, white
Vista	**VDM-TM(VW)**	**0476340**	Swan neck tower mount for PM PTZ cameras, white
Vista	**VDM-TMJB(VW)**	**0476350**	Swan neck tower mount with junction box for PM PTZ cameras, white
VISTA PTZ DOME ACCESSORIES			
Vista	**VPSU2431EXTe**	**0785090**	24VAC IP66 plastic cased PSU, 1x3000mA (72W) output
Vista	**VPSU24VAC-1500e**	**0785160**	24VAC 1500mA (36W) encapsulated PSU 2.1mm, mains and low voltage flying leads

vista

PENDANT MOUNT PTZ CAMERAS

The following style of camera is compatible with the bracketry shown here:

A) VK2-4KX30IR-PM
B) VP-HDA30IR-PMW

A

B

WALL MOUNT

VDM-WMVP
(0366940)

WALL MOUNT WITH J. BOX

VDM-WMVP
(0366940)

+

VDM-WMJB
(0366930)

CORNER MOUNT

See
Wall Mount
or
Wall Mount with J. Box

+

VDM-ECMAW
(0718920)

SIDE POLE MOUNT

See
Wall Mount
or
Wall Mount with J. Box

+

VDM-EPMAW
(0718930)

SWAN NECK

VDM-TM(VW)
(0476340)

OR

VDM-TMJB(VW)
(0476350)
with integral junction box

PENDANT (FIXED LENGTH)

VPP-IPMB250 (0472170)
length 250mm
OR
VPP-IPMB500 (0472180)
length 500mm
OR
VPP-IPMB1000 (0472190)
length 1000mm
OR
VPP-IPMB2000 (0472200)
length 2000mm

PENDANT (ADJ. LENGTH)

VDM-IPMCA(VW)
(0476070)
Ceiling adaptor

OR

VDM-IPMGA(VW)
(0476080)
Girder adaptor

+

VDM-2MP(VW)
(0476060)
2m pole

+

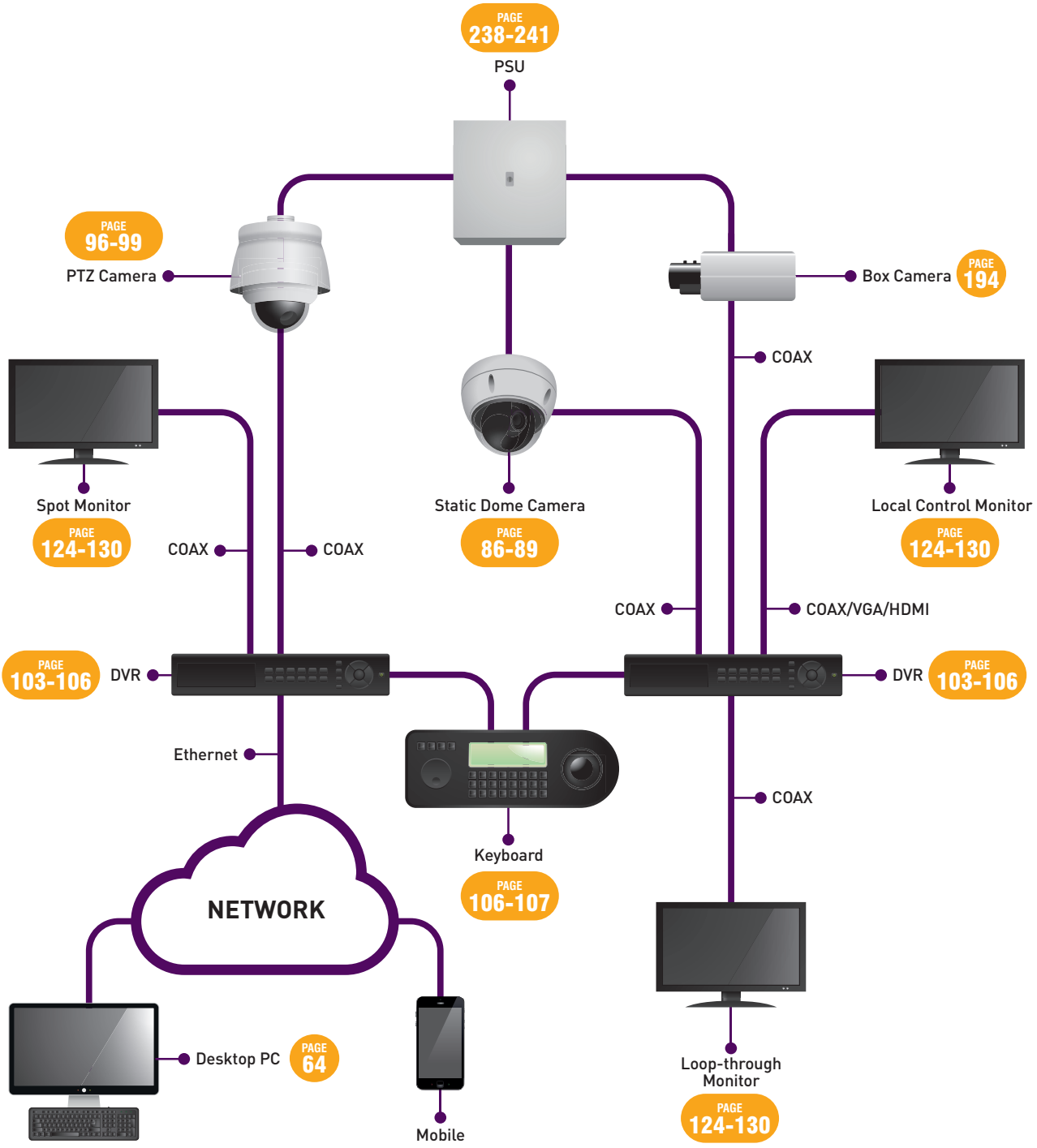
VPP-IPMAW
(0663570)

If longer than 2m is required then 2nd VDM-2MP & VDM-C (0276250) coupler is required

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

DIGITAL VIDEO RECORDING

The below schematic shows a typical coax based CCTV system using a DVR and keyboard to control both PTZ and static cameras. In addition, the schematic takes into account the use of a router for external access to and from the internet or mobile applications to view live and archived images.



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Manufacturer	Part No.	Quick Ref.	Inputs	Signal Format	Loopthrough	Max. Resolution (Analogue)	Global Record Frame Rate at Max. Res.	Display Frame Rate at Max. Res.	Audio	Storage (Fitted)	Storage (Max.)	HDMI	VGA	CVBS	Independant Spot Monitor Output	Archive	Remote Keyboard	PTZ Control	Alarm I/O	Client Software	Device web page	SmartPhone App
HANWHA TECHWIN DVRS																						
Hanwha Techwin	**HRX-420**	**0635700**	4	AHD/TVI/CVI/ CVBS	✓	8MP	-	15ips	1 in/1 out	-	6TB	✓	✓	✓	✓	USB/ Network	✓	Coax/ RS485	4 in/1 out	✓	✓	✓
Hanwha Techwin	**HRX-421**	**0635710**	4	AHD/TVI/CVI/ CVBS	✓	8MP	-	15ips	4 in/1 out	-	12TB	✓	✓	-	✓	USB/ Network	✓	Coax/ RS485	4 in/2 out	✓	✓	✓
Hanwha Techwin	**HRX-434**	**0894320**	4	AHD/CVBS	-	8MP	-	-	4 in/1 out	-	6TB	✓	✓	-	-	USB/ Network	-	Coax/ RS485	4 in/1 out	✓	✓	✓
Hanwha Techwin	**HRX-435**	**0894330**	4	AHD/CVBS	-	8MP	-	-	4 in/1 out	-	6TB	✓	✓	-	-	USB/ Network	-	Coax/ RS485	4 in/2 out	✓	✓	✓
Hanwha Techwin	**HRX-835**	**0884680**	8	AHD/CVBS	-	8MP	-	-	8 in/ 1 out	-	6TB	✓	✓	-	-	USB/ Network	-	Coax/ RS485	8 in/4 out	✓	✓	✓
HIKVISION DVRS																						
Hikvision	**DS-7316HUHI-K4**	**0818470**	16	AHD/TVI/CVI/ CVBS	-	5MP	8ips (8MP)	8ips (8MP)	4 in/1 out	-	10TB*4	✓	✓	✓	-	USB	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Hikvision	**DS-7332HQHI-K4**	**0818440**	32	AHD/TVI/CVI/ CVBS	-	1080P	15ips (4MP)	15ips (4MP)	4 in/1 out	-	10TB*4	✓	✓	✓	-	USB	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Hikvision	**DS-7332HUHI-K4**	**0688550**	32	AHD/TVI/CVI/ CVBS	-	5MP	8ips (8MP)	8ips (8MP)	4 in/1 out	-	10TB*4	✓	✓	✓	-	USB	✓	Coax & RS485	16 in/4 out	✓	✓	✓
HIKVISION ACUSENSE DVRS																						
Hikvision	**iDS-7204HUHI-K1/4S(C)**	**0866560**	4	AHD/TVI/CVI/ CVBS	-	5MP	12ips	30ips	1 in/1 out	-	10TB	✓	✓	✓	-	USB	-	RS485	4 in/1 out	✓	✓	✓
Hikvision	**iDS-7204HQHI-K1/2S(C)**	**0866410**	4	AHD/TVI/CVI/ CVBS	-	5MP	15ips	30ips	1 in/1 out	-	10TB	✓	✓	✓	-	USB	-	RS485	-	✓	✓	✓
Hikvision	**iDS-7204HUHI-M1/P(C)**	**0895180**	4	AHD/TVI/CVI/ CVBS	-	5MP	12ips	20ips	4 in/1 out	-	10TB	✓	✓	✓	-	USB	-	RS485	4 in/1 out	✓	✓	✓
Hikvision	**iDS-7208HUHI-M2/P(C)**	**0895270**	8	AHD/TVI/CVI/ CVBS	-	5MP	12ips	20ips	4 in/1 out	-	10TB*2	✓	✓	✓	-	USB	-	RS485	8 in/4 out	✓	✓	✓
Hikvision	**iDS-7208HUHI-M1/S(C)**	**0903030**	8	AHD/TVI/CVI/ CVBS	-	-	8ips (8MP)	8ips (8MP)	8	-	10TB	✓	✓	✓	-	USB	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Hikvision	**iDS-7216HUHI-M2/S(E)**	**0899190**	16	AHD/TVI/CVI/ CVBS	-	5MP	12ips	20ips	1 in/1 out	-	10TB*2	✓	✓	✓	-	USB	-	RS485	-	✓	✓	✓
Hikvision	**iDS-7216HUHI-M2/P(C)**	**0895200**	16	AHD/TVI/CVI/ CVBS	-	5MP	12ips	20ips	4 in/1 out	-	10TB*2	✓	✓	✓	-	USB	-	RS485	4 in/1 out	✓	✓	✓
Hikvision	**iDS-7216HQHI-M1/S(C)**	**0892210**	16	AHD/TVI/CVI/ CVBS	-	-	15ips (4MP)	15ips (4MP)	16	-	10TB	✓	✓	✓	-	USB	✓	Coax & RS485	8 in/4 out	✓	✓	✓
IDIS DVRS																						
IDIS	**TR-4316**	**0855270**	16	AHD/TVI/ CVBS	-	5MP	480ips	480ips	4 in/4 out +1 HDMI	2TB	64TB	✓	✓	-	✓	USB/ Network	✓	RS485	6 in/4 out	✓	✓	✓

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Manufacturer	Part No.	Quick Ref.	Inputs	Signal Format	Loopthrough	Max. Resolution (Analogue)	Global Record Frame Rate at Max. Res.	Display Frame Rate at Max. Res.	Audio	Storage (Fitted)	Storage (Max.)	HDMI	VGA	CVBS	Independant Spot Monitor Output	Archive	Remote Keyboard	PTZ Control	Alarm I/O	Client Software	Device web page	SmartPhone App
VISTA VIPER HYBRID DVRS (1080P)																						
Vista	**VIPER-HDA-04-000**	**0753860**	4	AHD/TVI/ CVBS/IP	-	1080p	100ips	100ips	1	0TB	8TB	✓	✓	✓	-	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-04-1TB**	**0753870**	4	AHD/TVI/ CVBS/IP	-	1080p	100ips	100ips	1	1TB	8TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-04-2TB**	**0753880**	4	AHD/TVI/ CVBS/IP	-	1080p	100ips	100ips	1	2TB	8TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-04-4TB**	**0753890**	4	AHD/TVI/ CVBS/IP	-	1080p	100ips	100ips	1	4TB	8TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-08-000**	**0804160**	8	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	0TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-08-1TB**	**0804180**	8	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	1TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-08-2TB**	**0804190**	8	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	2TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-08-4TB**	**0804200**	8	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	4TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-08-6TB**	**0804210**	8	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	6TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-08-8TB**	**0804220**	8	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	8TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-000**	**0804170**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	0TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-1TB**	**0804230**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	1TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-2TB**	**0804240**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	2TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-4TB**	**0804250**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	4TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-6TB**	**0804260**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	6TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-8TB**	**0804270**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	8TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-12TB**	**0804280**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	12TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓
Vista	**VIPER-HDA-16-16TB**	**0804290**	16	AHD/TVI/ CVBS/IP	-	1080p	200ips	200ips	1	16TB	16TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	1 in/1 out	✓	✓	✓

VISTA VIPER HYBRID DVRS (1080P)

- True hybrid - TVI/AHD/CVBS/IP
- Real-time recording @ 1080p
- 5MP IP camera support
- 960H recording for legacy camera support
- Coax and RS485 telemetry
- Archive via USB or over the network

The Viper HDA is a true hybrid 4, 8 or 16 channel DVR, able to record TVI, AHD and CVBS cameras in 1080p real-time, along with IP cameras up to 5MP. With two form factors, the 1U is the entry level unit with intuitive mouse control in addition to VKBD4 keyboard support, giving operators a more familiar operation of PTZ cameras. The 2U L models also provide loopthrough and a built-in DVD writer to burn video footage.

True hybrid: Gives flexibility of camera choice by accepting various types of camera inputs - TVI, AHD, CVBS and IP.

VKBD4 support: Provides control of the Viper HDA and any connected PTZ cameras for familiar CCTV operation.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Inputs	Signal Format	Loopthrough	Max. Resolution (Analogue)	Global Record Frame Rate at Max. Res.	Display Frame Rate at Max. Res.	Audio	Storage (Fitted)	Storage (Max.)	HDMI	VGA	CVBS	Independant Spot Monitor Output	Archive	Remote Keyboard	PTZ Control	Alarm I/O	Client Software	Device web page	SmartPhone App
VISTA VIPER HDAL DVRS (1080P)																						
Vista	**VIPER-HDAL-08-000**	**0196850**	8	AHD/TVI/ CVBS/IP	✓	1080p	200ips	200ips	8	0TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-08-1TB**	**0198100**	8	AHD/TVI/ CVBS/IP	✓	1080p	200ips	200ips	8	1TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-08-2TB**	**0199110**	8	AHD/TVI/ CVBS/IP	✓	1080p	200ips	200ips	8	2TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-08-4TB**	**0199310**	8	AHD/TVI/ CVBS/IP	✓	1080p	200ips	200ips	8	4TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-08-6TB**	**0199320**	8	AHD/TVI/ CVBS/IP	✓	1080p	200ips	200ips	8	6TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-08-8TB**	**0199330**	8	AHD/TVI/ CVBS/IP	✓	1080p	200ips	200ips	8	8TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	8 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-000**	**0196870**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	0TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-1TB**	**0199340**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	1TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-2TB**	**0199350**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	2TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-4TB**	**0199360**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	4TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-6TB**	**0199370**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	6TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-8TB**	**0199380**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	8TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-12TB**	**0199390**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	12TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-16TB**	**0199400**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	16TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-24TB**	**0199410**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	24TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓
Vista	**VIPER-HDAL-16-32TB**	**0199420**	16	AHD/TVI/ CVBS/IP	✓	1080p	400ips	400ips	16	32TB	32TB	✓	✓	✓	✓	USB/DVD/ Network	✓	Coax & RS485	16 in/4 out	✓	✓	✓

VISTA VIPER HDAL DVRS (1080P)

- True hybrid - TVI/AHD/CVBS/IP
- 1080p real-time recording
- 5MP IP camera support
- 960H recording for legacy camera support
- Coax and RS485 telemetry
- Archive via USB or over the network

The Viper HDAL is a true hybrid 8 or 16 channel DVR, able to record TVI, AHD and CVBS cameras in 1080p real-time, along with IP cameras up to 5MP. It comes in two form factors. The 1U is the entry-level unit with intuitive mouse control in addition to VKBD4 keyboard support, giving operators a more familiar operation of PTZ cameras. The 2U L models also provide loopthrough and a built-in DVD writer to burn video footage.

True hybrid: Gives flexibility of camera choice by accepting various types of camera inputs - TVI, AHD, CVBS and IP.

Loopthrough: Allows video to be taken to other locations.

VKBD4 support: Provides control of the Viper HDAL and any connected PTZ camera for familiar CCTV operation.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
VISTA VIPER HDA/HDAL ACCESSORIES				
A	Vista	**VIPER-HDAL-FSK**	**0219780**	Vista FSK telemetry adaptor for VIPER HDA & HDAL DVR
	Vista	**VIPER-RM-G**	**0892740**	Rack mount ears for Viper 2U
	Vista	**VIPER-1U-Undershelf-bracket**	**0467590**	Pair of undershelf mounting brackets for Viper 1U DVR/NVRs
	Vista	**VIPER-1U-RM**	**0567480**	Rack mount ears for Viper 1U
VISTA DVR ACCESSORIES				
	Vista	**VIPER-HDAL-FSK**	**0219780**	Vista FSK telemetry adaptor for VIPER HDA & HDAL DVR

vista

A VIPER-HDAL-FSK

- For control of legacy Vista PTZ domes using Vista coax technology
- Use with VIPER HDA & HDAL

POCKET-SIZE BUZZ – GRAPHICS CARDS

The industry has enjoyed a sharp increase in camera resolution, as well as the use of in-built analytics – both of which put a huge amount of strain on micro processing. Selecting the right graphic card for the job is essential. Buzz takes us through the key points to consider.

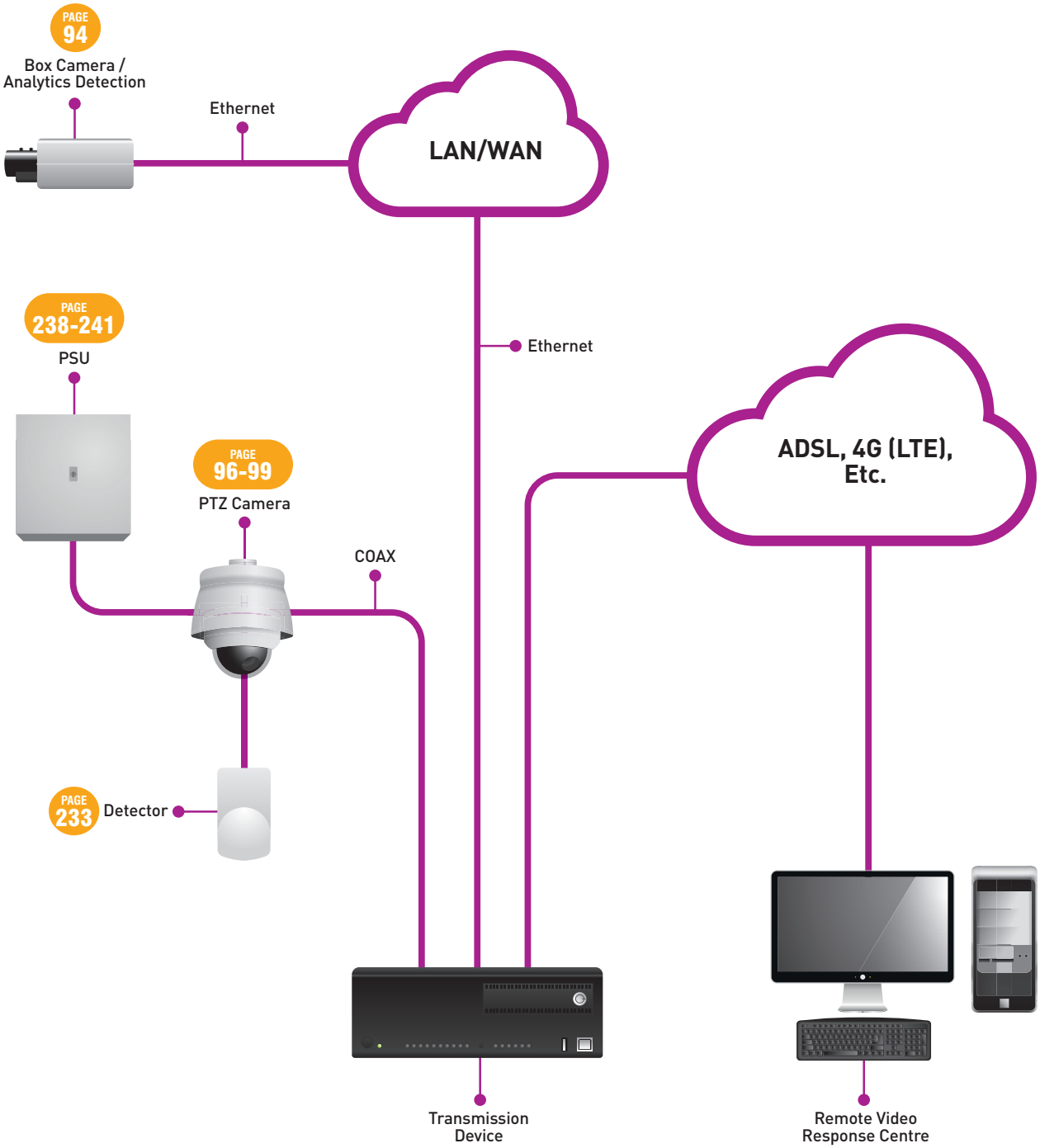
All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
HARD DISK DRIVES			
Hanwha Techwin	**HDD2TBWDV2-Kit**	**0894300**	2TB Surveillance HDD drive for use in NVR/DVR (WD20PURX-64AKYY0)
Hanwha Techwin	**HDD3TBWDV2-Kit**	**0890360**	3TB Surveillance HDD drive for use in NVR/DVR (WD30PURX-64AKYY0)
Hanwha Techwin	**HDD4TBWDV2-Kit**	**0894310**	4TB Surveillance HDD drive for use in NVR/DVR (WD40PURX-64AKYY0)
Hanwha Techwin	**HDD8TBWD-Kit**	**0804650**	8TB HDD kit, 3.5" surveillance storage HDD
Hanwha Techwin	**HDD10TBWD-Kit**	**0894290**	10TB Surveillance HDD drive for use in NVR/DVR (WD102PURX-64WCLY0)
Western Digital	**WD10PURZ**	**0824520**	1TB WD Purple™ 3.5" surveillance storage HDD, optimised for up to 64 CCTV cameras
Western Digital	**WD22PURZ**	**0900970**	2TB WD Purple™ 3.5" surveillance storage HDD, optimised for up to 64 CCTV cameras
Western Digital	**WD30PURZ**	**0824540**	3TB WD Purple™ 3.5" surveillance storage HDD, optimised for up to 64 CCTV cameras
Western Digital	**WD42PURZ**	**0891680**	4TB WD Purple™ 3.5" surveillance storage HDD, optimised for up to 64 CCTV cameras
Western Digital	**WD63PURZ**	**0892350**	6TB WD Purple™ 3.5" surveillance storage HDD, optimised for up to 64 CCTV cameras
Western Digital	**WD84PURZ**	**0875980**	8TB WD Purple™ 3.5" AI capable, surveillance storage HDD, optimised for up to 64 CCTV cameras
Western Digital	**WD8001PURP**	**0875550**	WD Purple™ Pro 8TB Surveillance HDD designed for advanced AI-enabled recorders, video analytics servers and deep learning solutions requiring additional capacity, performance and workload capability
Western Digital	**WD101PURP**	**0875560**	WD Purple™ Pro 10TB Surveillance HDD designed for advanced AI-enabled recorders, video analytics servers and deep learning solutions requiring additional capacity, performance and workload capability
Western Digital	**WD121PURP**	**0875570**	WD Purple™ Pro 12TB Surveillance HDD designed for advanced AI-enabled recorders, video analytics servers and deep learning solutions requiring additional capacity, performance and workload capability
Western Digital	**WD141PURP**	**0875580**	WD Purple™ Pro 14TB Surveillance HDD designed for advanced AI-enabled recorders, video analytics servers and deep learning solutions requiring additional capacity, performance and workload capability
Western Digital	**WD181PURP**	**0875590**	WD Purple™ Pro 18TB Surveillance HDD designed for advanced AI-enabled recorders, video analytics servers and deep learning solutions requiring additional capacity, performance and workload capability
MICRO SD CARDS			
Western Digital	**WDD032G1P0C**	**0876040**	WD Purple™ SC QD101 32GB Ultra Endurance microSD™ Card
Western Digital	**WDD064G1P0C**	**0876050**	WD Purple™ SC QD101 64GB Ultra Endurance microSD™ Card
Western Digital	**WDD128G1P0C**	**0876060**	WD Purple™ SC QD101 128GB Ultra Endurance microSD™ Card
Western Digital	**WDD256G1P0C**	**0876070**	WD Purple™ SC QD101 256GB Ultra Endurance microSD™ Card
Western Digital	**WDD512G1P0C**	**0876080**	WD Purple™ SC QD101 512GB Ultra Endurance microSD™ Card
Western Digital	**WDD100T1P0C**	**0876090**	WD Purple™ SC QD101 1TB Ultra Endurance microSD™ Card
DVR STORAGE			
Hanwha Techwin	**HDD1TBWD-Kit**	**0530880**	1TB SATA HDD kit for Wisenet DVR/NVR
DVR KEYBOARDS			
Hanwha Techwin	**SPC-2000**	**0527650**	Controller, USB 3D joystick
Hanwha Techwin	**SPC-2010**	**0655640**	PTZ/DVR system controller, 3D joystick control, LCD display
DVR ACCESSORIES			
Vista	**QBOX**	**0473150**	Lockable box, 550Wx550Dx150Hmm suitable for NVRs and DVRs
PTZ CONTROLLERS			
Hanwha Techwin	**SPC-7000**	**0086750**	Controller, IP system keyboard with touch screen TFT LCD, interchangeable 3D joystick & jog shuttle for left or right handed users, RS485, DVR/NVR, Matrix & PTZ control, 1 channel video input/output, SSM using USB interface only
Hanwha Techwin	**SPC-1010**	**0551970**	3-axis joystick PTZ keyboard, multiprotocol

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

CCTV TRANSMISSION

The below schematic shows a typical detector activated CCTV transmission system, which would direct an IP PTZ camera to a preset position. Pre-alarm, alarm and images would simultaneously be sent to a Remote Video Response Centre (RVRC) for video verification. Audio challenge is not shown; please be sure to speak with your Norbain Sales Team for further information.



CCTV TRANSMISSION
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	Manufacturer	Part No.	Quick Ref.	Product Description
ADDLESTONE TWISTED PAIR TRANSMISSION				
	Addlestone	**BH258**	**0621610**	Video receiver, auto correction up to 1 mile UTP, 12VDC, PSU & balun included
VIDEO SIGNAL EQUIPMENT				
	Addlestone	**BH186**	**0414500**	Hum canceller and line corrector for coax, 500m 12VDC, PSU included
	Addlestone	**BH259**	**0612740**	Video receiver, auto correction up to 1 mile coax, 12VDC, PSU included
	Addlestone	**BH184**	**0339690**	Video launch & distribution Amp, coax, 1 in/2 out, 12V, PSU included
	Vista	**HumV**	**0472580**	Ground loop isolation transformer
VIDEO DISTRIBUTION				
	Addlestone	**BH207**	**0357020**	1 in, 4 out video distribution amplifier, 12VDC, PSU included
	Addlestone	**BH220-16xBH192/3125**	**0354660**	32 channels, 1 in, 2 out per channel 19" rackmount, 12VDC, PSU included

	Manufacturer	Part No.	Quick Ref.	Product Description
TEST MONITOR				
A	Vista	**DIAMOND4K**	**0872170**	Multi-function IP/VCBS/TVI/AHD/CVI test monitor with HDMI input

vista

DIAMOND4K

- In-built VK2-Remote IP camera App
- ONVIF camera tester
- IP address discovery tool
- Manufacturer-specific camera viewers
- RTSP viewer
- Screen snapshot HDMi input

DIAMOND4K is the CCTV engineer's ultimate test tool. Packed with functions developed to make the job of installing, commissioning and fault finding of CCTV system easier, this ergonomically designed touch screen monitor is a must have for any installation engineer. As a basic test monitor, DIAMOND4K will accept virtually any CCTV camera format including IP, CVBS, TVI, AHD and CVI video. Both RS485 and UTC protocols for TVI, AHD & CVI PTZ cameras can be tested directly from the unit.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
PUBLIC ADDRESS - AMPLIFIERS			
TOA	**A-2030D**	**0868360**	Digital mixer amplifier, 30W, 100V
TOA	**A-2060D**	**0863340**	Digital mixer amplifier, 60W, 100V
TOA	**A-2120D**	**0881860**	Digital mixer amplifier, 120W, 100V
TOA	**A-2240D**	**0870980**	Digital mixer amplifier, 240W, 100V
TOA	**ZM-104A**	**0607670**	Impedance meter
PUBLIC ADDRESS - HORNS & SPEAKERS			
TOA	**CS-64**	**0424390**	6W 100V wide range weatherproof speaker
TOA	**CS-154**	**0450970**	15W 100V wide range weatherproof speaker
TOA	**SC-610M**	**0162660**	10W 100V line reflex horn speaker - 10, 5, 3 & 1W tappings - includes wall mount bracket, IP65
TOA	**SC-615M**	**0346030**	15W 100V line reflex horn speaker - 15, 10, 5, 3 & 1W tappings - includes wall mount bracket, IP65
TOA	**SC-630M**	**0159560**	30W 100V line reflex horn speaker - 30, 15, 10, 5, 3 & 1W tappings - includes wall mount bracket, IP65
TOA	**PC-1860S**	**0874990**	Ceiling speaker, 6W (100V), 5", 80-20KHz, pure white, spring catch mount
TOA	**PC-1868W-EB**	**0727240**	6W 100V Pure white ceiling mount speaker
TOA	**CS-761B**	**0894130**	IP66 Certified 2-way compact weatherproof music horn speaker - 60W, 100V
TOA	**CS-761W**	**0894140**	IP66 Certified 2-way compact weatherproof music horn speaker - 60W, 100V
PUBLIC ADDRESS - AMPLIFIERS			
TOA	**A-3212DZ**	**0894100**	120W high-performance digital mixer amplifier, 5-zone, 6 input, 100V or 4 Ω
TOA	**A-3224DZ**	**0894110**	240W high-performance digital mixer amplifier, 5-zone, 6 input, 100V or 4 Ω
TOA	**A-3248DZ**	**0894120**	240W high-performance digital mixer amplifier, 5-zone, 6 input, 100V or 4 Ω
PUBLIC ADDRESS - ACCESSORIES			
TOA	**PM-660D**	**0374540**	Desktop microphone, 600Ω, balanced, 5-pin DIN plug termination
PUBLIC ADDRESS - AMPLIFIED HORN SPEAKER			
TOA	**SC-P620-EB**	**0786220**	Powered horn speaker (20W), 12VDC 2A, line input, IP65 rated, white

Experience
The Norbain Advantage

COLLECTION SERVICE

We understand that getting products to different sites at exactly the right times can be a tricky process. That's why we've teamed up with DHL to give you the option of collecting orders from one of the DHL depots nearest to you.

POCKET-SIZE BUZZ – IP NETWORKS FOR AUDIO

Audio solutions are ideal for messaging in areas such as retail and education and for playing background music. Find out more about how offering them can add another revenue stream for installers and help strengthen their relationship with customers.

YouTube
WATCH VIDEO
hubs.la/H0V94Rc0

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

CCTV ACCESSORIES

Below are examples of the accessories sometimes required to complete an analogue CCTV installation. Please be sure to speak with your Norbain Sales Team for further information.

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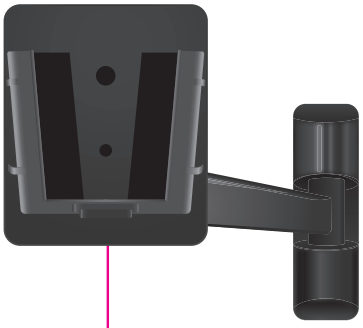
Monitors



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Monitor Accessories

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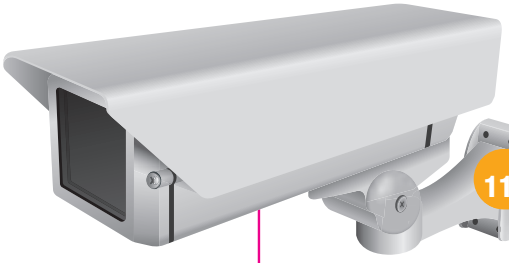
Lighting



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Housings, Brackets & Accessories

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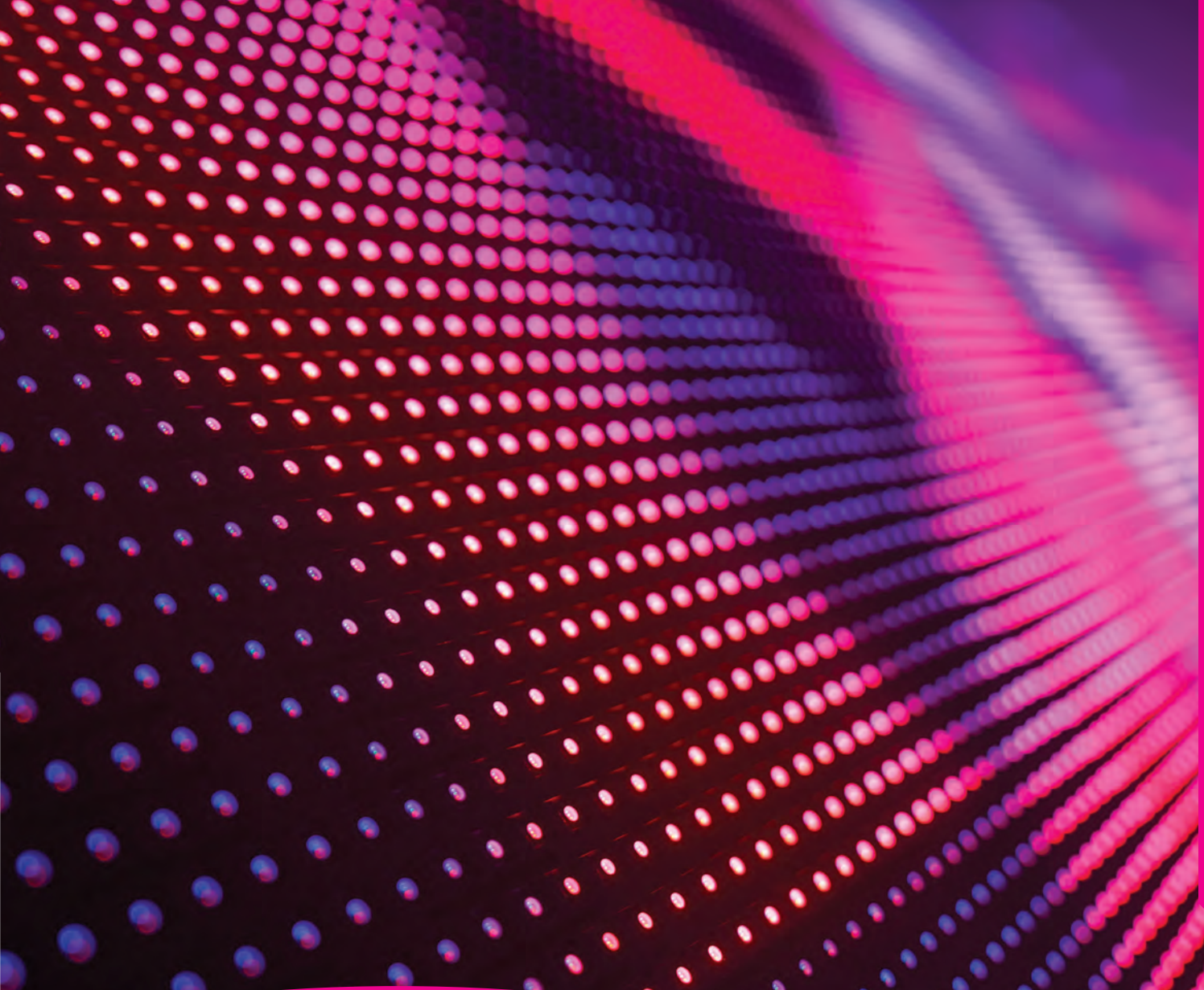
Towers



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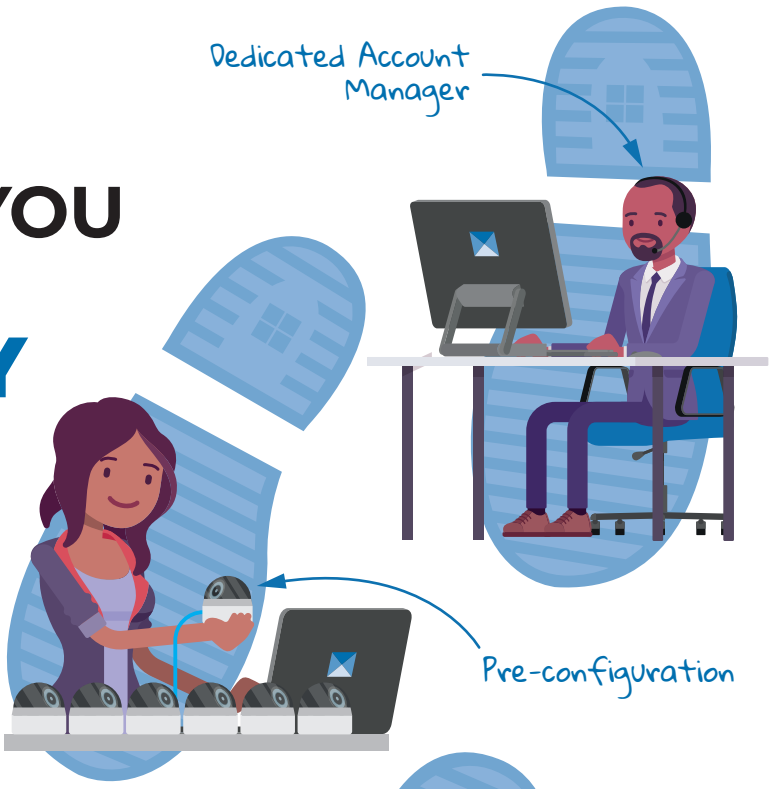
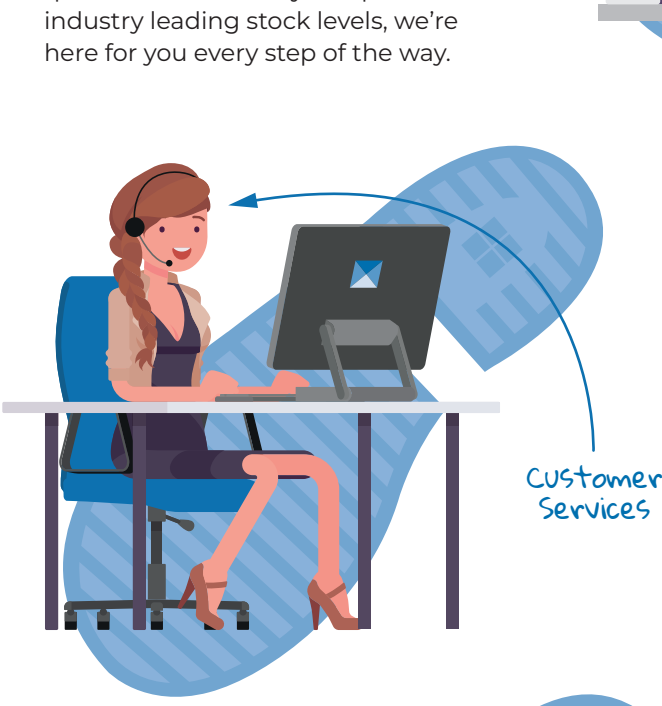
norbain
security delivered

SUPPORTING YOU EVERY STEP OF THE WAY

No matter where you are on your security journey, Norbain is here to support, advise and guide you. As a Norbain customer, you'll benefit from your own dedicated account manager who'll make your life easier. We'll ensure you get the solutions you need when and where you need them. With quick turnaround of your queries and industry leading stock levels, we're here for you every step of the way.





Want to find out more about how norbain can support your business? **Contact us today:**

info@norbain.com www norbain.com 0118 912 5000

	Manufacturer	Part No.	Quick Ref.	Product Description
GJD CLARIUS IR AND WHITE LIGHT ILLUMINATORS				
	GJD	**IS-8**	**0730220**	CLARIUS PLUS small 850nm IR low voltage 15W LED light comes with variable angle diffusers
	GJD	**IM-8**	**0730230**	CLARIUS PLUS medium 850nm IR low voltage 26W LED light comes with variable angle diffusers
	GJD	**IL-8**	**0730240**	CLARIUS PLUS large 850nm IR low voltage 39W LED light comes with variable angle diffusers
	GJD	**IX-8**	**0730250**	CLARIUS PLUS Xlarge 850nm IR low voltage 52W LED light comes with variable angle diffusers
	GJD	**VS-CW**	**0730280**	CLARIUS PLUS small white light low voltage 15W LED light comes with variable angle diffusers
	GJD	**VM-CW**	**0730290**	CLARIUS PLUS medium white light low voltage 26W LED light comes with variable angle diffusers
	GJD	**VL-CW**	**0730300**	CLARIUS PLUS large white light low voltage 39W LED light comes with variable angle diffusers
	GJD	**VX-CW**	**0730310**	CLARIUS PLUS Xlarge white light low voltage 52W LED light comes with variable angle diffusers
GJD LIGHTING PSUS				
	GJD	**ALT-30-24**	**0620650**	PSU input 100-240VAC, 50-60Hz, output 24V 30W housing IP67
	GJD	**ALT-60-24**	**0627250**	PSU input 100-240VAC, 50-60Hz, output 24V 60W housing IP67
	GJD	**ALT-100-24**	**0629570**	PSU input 100-240VAC, 50-60Hz output 24V 100W housing IP67
	GJD	**ALT-150-24**	**0693720**	PSU input 100-240VAC, 50-60Hz output 24V 150W housing IP67
RAYTEC VARIO IR AND WHITE LIGHT ILLUMINATORS				
	Raytec	**VAR2-i2-1**	**0798080**	VARIO2 i2, 10x10, 30x10 and 60x25 angles, 12-24V, 850nm
	Raytec	**VAR2-i4-1**	**0798090**	VARIO2 i4, 10x10, 30x10 and 60x25 angles, 12-24V, 850nm
	Raytec	**VAR2-i6-1**	**0097710**	VARIO2 i6, 10x10, 30x10 and 60x25 angles, 12-24V, 850nm
	Raytec	**VAR2-i8-1**	**0798100**	VARIO2 i8, 10x10, 30x10 and 60x25 angles, 12-24V, 850nm
A	Raytec	**VAR2-i16-1**	**0798110**	VARIO2 i16, 10x10, 30x10 and 60x25 angles, 12-24V, 850nm
	Raytec	**VAR2-w2-1**	**0798120**	VARIO2 w2, 10x10, 30x10 and 60x25 angles, 12-24V, white light
	Raytec	**VAR2-w4-1**	**0798130**	VARIO2 w4, 10x10, 30x10 and 60x25 angles, 12-24V, white light
	Raytec	**VAR2-w8-1**	**0798140**	VARIO2 w8, 10x10, 30x10 and 60x25 angles, 12-24V, white light
	Raytec	**VAR2-w16-1**	**0798150**	VARIO2 w16, 10x10, 30x10 and 60x25 angles, 12-24V, white light
RAYTEC VARIO HYBRID ILLUMINATORS				
	Raytec	**VAR2-hy4-1**	**0484610**	VARIO2 Hybrid hy4, 3 angle options, 24V, 850nm & white light
	Raytec	**VAR2-hy6-1**	**0484620**	VARIO2 Hybrid hy6, 3 angle options, 24V, 850nm & white light
	Raytec	**VAR2-hy8-1**	**0815650**	VARIO2 Hybrid hy8, 3 angle options, 24V, 850nm & white light
	Raytec	**VAR2-hy16-1**	**0484630**	VARIO2 Hybrid hy16, 3 angle options, 24V, 850nm & white light
RAYTEC VARIO POE LIGHTING				
	Raytec	**VAR2-POE-i2-1**	**0795760**	VARIO2 PoE i2, 850nm, PoE 12W, with 3 angle options included
	Raytec	**VAR2-POE-i4-1**	**0795770**	VARIO2 PoE i4, 850nm, PoE+ 24W, with 3 angle options included
	Raytec	**VAR2-POE-i8-1**	**0795780**	VARIO2 PoE i8, 850nm, PoE++ 48W, with 3 angle options included
	Raytec	**VAR2-POE-w2-1**	**0795790**	VARIO2 PoE w2, white light, PoE 12W, with 3 angle options included
	Raytec	**VAR2-POE-w4-1**	**0795800**	VARIO2 PoE w4, white light, PoE+ 24W, with 3 angle options included
	Raytec	**VAR2-POE-w8-1**	**0795810**	VARIO2 PoE w8, white light, PoE++ 48W, with 3 angle options included
RAYTEC RAYMAX PANORAMIC IR LIGHTING				
	Raytec	**RM150-AI-PANUT**	**0757980**	RAYMAX 150 Panoramic Ultra illumination, 60-180 x 5°, 850nm with PSU
B	Raytec	**RM300-AI-PANUT**	**0757990**	RAYMAX 300 Panoramic Ultra illumination, 60-180 x 5°, 850nm with PSU
RAYTEC URBAN-X GENERAL AREA LIGHTING				
	Raytec	**UBXPRO60-4KPP2-ID1NP-2**	**0575070**	URBAN-X Pro, 60W, white light, 220-240V, Intelligent Driver
	Raytec	**UBXPRO80-4KPP2-ID1NP-2**	**0575080**	URBAN-X Pro, 80W, white light, 220-240V, Intelligent Driver
C	Raytec	**UBXPRO100-4KPP2-ID1NP-2**	**0575090**	URBAN-X Pro, 100W, white light, 220-240V, Intelligent Driver

raytec

A VAR2-i16-1

- Infrared distances up to 500m
- PLATINUM Elite SMT LED technology
- 5 angles from 1 product (10-120°)
- VARIO remote control
- Semi-covert (850nm) or covert (940nm) - white light also available
- Advanced security settings

raytec

B RM300-AI-PANUT

- 180° infrared coverage up to 150m
- 360° with only two units
- PLATINUM Elite SMT LED technology
- Perfect for 4K+, PTZ domes and multi sensor cameras
- Even output illumination
- Outstanding night time images

raytec

C UBXPRO100-4KPP2-ID1NP-2

- High power - up to 14,000 lumens
- Intelligent driver programmable options available
- Choice of optics for pathway, perimeter and general area lighting
- Excellent energy saving and efficacy
- X-treme durability and toughness
- Integrated horizontal spigot mount

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
CAMERA HOUSINGS			
Hanwha Techwin	**SBV-160BW**	**0887680**	Back box for indoor vandal domes and Fisheye, compatible with PND-A6081RV, PND-A9081RV, XND-6081REV, XND-6081RV, XND-6081V, XND-6081VZ, XND-8081REV, XND-8081RV, XND-8081VZ, XND-8082RV, XND-9082RV, XNF-9010RV, XNF-9010RVM, white
Hanwha Techwin	**SHD-3000F1**	**0742740**	Polycarbonate In-ceiling flush mount for dome cameras. Compatible with PNV-9080R, XNV-6080/6080R/L6080/L6080R/8080R, SCD-6081R, SCV-6081R, SND-7084R/7084/6084R/6084/6083/5084R/5084/5083, SNV-7084R/7084/6084R/6084/5084, ivory
Hanwha Techwin	**SHD-3000F2**	**0763500**	Polycarbonate in-ceiling flush mount for indoor dome cameras. Compatible with QND-7080R/6070R, HCD-7070R/7080R/7080RV/6070R/6080R, SND-L6083R/L5083R, SCD-5080/5082/5083/5083R, ivory
Hanwha Techwin	**SHD-3000F3**	**0822890**	Polycarbonate in-ceiling flush mount for outdoor dome cameras. Compatible with QNV-7080R/6070R, HCV-7070R/7080R/6070R/6080R/6080, SNV-L6083R/L5083R, SCV-5082/5083/5083R/5085, ivory
Hanwha Techwin	**SHD-3000F4**	**0822900**	Polycarbonate in-ceiling flush mount for indoor dome cameras. Compatible with PND-9080R, XND-6080/6080R/6080RV/6080V/L6080R/L6080RV/L6080V/8080R/8080RV, ivory
Hanwha Techwin	**SHB-4200**	**0742630**	Indoor IP66 housing for fixed camera, including wall bracket
Hanwha Techwin	**SHB-4200H**	**0566920**	External IP66 housing 24VAC heater, including wall bracket
Hanwha Techwin	**SHB-4300H**	**0777890**	External IP66 housing 24VAC heater, including wall bracket
Hanwha Techwin	**SHB-4300H1**	**0609880**	External IP66 housing 24VAC heater, including wall bracket (300mm MCL)
Hanwha Techwin	**SHB-4301H2**	**0894460**	Extreme weatherproof aluminum fixed camera housing with mounting bracket, compatible with all box cameras, built-in defroster/heater and fan, IP66, 230VAC, ivory
Hanwha Techwin	**SHB-4301HP**	**0868800**	Outdoor fixed camera housing with mounting bracket, compatible with all box cameras, built-in defroster/heater and fan, IP66, PoE/12VDC, ivory
Hanwha Techwin	**SHB-9000H**	**0894470**	Outdoor fixed camera housing, compatible with TNB-9000, built-in heater and fan, IP66, 220VAC, white
Hanwha Techwin	**SPC-100AC**	**0894570**	24VAC power module for outdoor X PLUS cameras. Compatible with XNV-6081Z/8081Z, XNV-6081/6081R/8081R, black
Vista	**VHE-23HV**	**0356960**	External housing IP66 230VAC, RAL 7035
Vista	**VHE-23LV**	**0356970**	External housing IP66 24VAC, RAL 7035
BRACKETS & ACCESSORIES			
Hanwha Techwin	**SBP-099HMW**	**0647580**	Aluminum hanging mount for Fisheye cameras. Compatible with QND-8021/8011/6021/6011, QNF-8010/9010, white
Hanwha Techwin	**SBP-099TMW**	**0894350**	Tilted wall mount (polycarbonate), compatible with QNF-8010, QNF-9010
Hanwha Techwin	**SBP-100S**	**0894360**	Aluminum strap for SBP-156WMW, SBP-300PMW1, SBP-300PM1
Hanwha Techwin	**SBP-120WM**	**0665410**	Plastic wall mount for indoor dome cameras. Compatible with XND-6010/6020R/8020R/8030R/8040R, QND-7080R/7030R/7020R/7010R/6070R/6030R/6020R/6010R, HCD-7020R/7030R/7070R, SND-L6083R/L6014R/L6013R/L6013/L6012/L5083R/L5013, SCD-6083R/6023R/6021/5083R/5083/5082/5080, ivory
Hanwha Techwin	**SBP-120WMW**	**0636150**	Plastic wall mount for indoor dome and Fisheye cameras. Compatible with QNF-8010/9010, QND-8080R/8010R/8011/8020R/8021/8030R/6082R/6011/6012R/6021/6022R/6032R, QND-6012R1/6022R1/6032R1/6082R1 white
Hanwha Techwin	**SBP-122HM**	**0199460**	Aluminum hanging mount for dome cameras. Compatible with QND-7080R/6070R, QNV-7010R/7020R/7030R/6010R/6020R/6030R, XNV-8020R/8030R/8040R/6010/6020R, HCV-7010R/7020R/7030R, ivory
Hanwha Techwin	**SBP-122HMW**	**0636160**	Aluminum hanging mount for dome cameras. Compatible with QNV-8010R/8020R/8030R/6012R/6022R/6032R, QND-8080R/6082R, LNV-6010R/6020R/6030R, LND-6070R, white, QNV-6012R1/6022R1/6032R1
Hanwha Techwin	**SBP-137WM**	**0894370**	Plastic/aluminum wall mount for outdoor dome cameras. Compatible with XNV-6010/6020R/8020R/8030R/8040R, QNV-6010R/6020R/6030R/6070R/7010R/7020R /7030R/7080R, HCV-6080R/6080/6070R/7010R/7020R/7030R/7070R, SNV-L5083R/L6083R, SCV-5082/5082R/5083/5083R/5085/6023R/6083R, ivory
Hanwha Techwin	**SBP-137WM1**	**0662890**	Plastic/aluminum wall mount for outdoor dome cameras. Compatible with XNV-6010/6020R/8020R/8030R/8040R, QNV-6010R/6020R/6030R/6070R/7010R/7020R /7030R/7080R, HCV-6080R/6080/6070R/7010R/7020R/7030R/7070R, SNV-L5083R/L6083R, SCV-5082/5082R/5083/5083R/5085/6023R/6083R, ivory
Hanwha Techwin	**SBP-137WMW**	**0685710**	Plastic/aluminum wall mount for outdoor dome cameras. Compatible with QNV-6012R/6022R/6032R/6082R/8010R/8020R/8030R/8080R, white
Hanwha Techwin	**SBP-137WMW1**	**0874710**	Plastic/aluminum wall mount for outdoor dome cameras. Compatible with QNV-6012R/6022R/6032R/6082R/6082R1/8010R/8020R/8030R/8080R, white
Hanwha Techwin	**SBP-156CMW**	**0888120**	Aluminum pendant mount accessory. Compatible with XNP-9300RW/9250R/9250/8300RW/8250R/8250/6400RW/6400R/6400 and other accessories with 1-1/2" PF thread, white
Hanwha Techwin	**SBP-156KMW**	**0864730**	Corner mount adapter compatible with SBP-156WMW for XNP-9300RW/9250R/9250/8300RW/8250R/8250/6400RW/6400R/6400, white
Hanwha Techwin	**SBP-156WMW**	**0863540**	Aluminum wall mount for outdoor dome cameras. Compatible with XNP-9300RW/9250R/9250/8300RW/8250R/8250/6400RW/6400R/6400, white
Hanwha Techwin	**SBP-160TM**	**0285400**	Tilted wall mount (polycarbonate), 23° tilt, compatible with XND-6085/6085V, XNV-6080/R/6085/R/8080R, XNV-L6084/R, PNV-9080R, SNV-8081/8080/7084/R/6084/R/6085R/5084/R, SCV-6081R
Hanwha Techwin	**SBP-160TMW1**	**0894380**	Tilted wall mount (polycarbonate), 23° tilt, compatible with PND-A6081RV, PND-A9081RV, XND-6081REV, XND-6081RV, XND-6081V, XND-6081VZ, XND-8081REV, XND-8081RV, XND-8081VZ, XND-8082RV, XND-9082RV, XNF-9010RV, XNF-9010RVM, white

vista

VISTA VHE HOUSINGS

- Side opening
- IP66 rated
- Fully cable-managed bracket
- Mains or low voltage

Designed to ensure easy installation, each housing has a fully cable-managed bracket to eliminate any loose or unsightly cabling. They are an ideal size to fit the majority of CCTV cameras with either a fixed or varifocal lens. The IP66 rated weatherproof housing not only looks smart, but reduces any vandal-related threats.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

BRACKETS & ACCESSORIES CONTINUED

Manufacturer	Part No.	Quick Ref.	Product Description
Hanwha Techwin	**SBC-165W**	**0894340**	Skin cover in white for TID-600R Intercom
Hanwha Techwin	**SHS-165F**	**0887150**	Flush mount with two covers (dark grey and white) for TID-600R Intercom
Hanwha Techwin	**SBS-165TM**	**0887140**	Tilt mount in black for TID-600R Intercom
Hanwha Techwin	**SBP-167HM**	**0894390**	Aluminium hanging mount for indoor vandal dome cameras. Compatible with XND-8081VZ/8081RV/8081REV/6081VZ/6081V/6081RV/6081REV, PND-A9081RV, ivory
Hanwha Techwin	**SBP-167HMW**	**0858910**	Aluminium hanging mount for indoor vandal dome cameras. Compatible with XND-8081VZ/8081RV/8081REV/6081VZ/6081V/6081RV/6081REV, PND-A9081RV, white
Hanwha Techwin	**SBP-187HM**	**0894400**	Aluminium hanging mount for outdoor dome cameras. Compatible with XNV-8081Z/8081RE/8081R/6081Z/6081/6081R/6081RE, PNV-A9081RV, ivory
Hanwha Techwin	**SBP-300NB**	**0753020**	Installation back box compatible with SBP-300WM, SBP-300WM1, SBP-300KM, SBP-300PM, IP66, ivory
Hanwha Techwin	**SBP-300WM0**	**0728150**	Plastic wall mount for Indoor domes. Compatible with SCD-5030/5020/3083/3082E/3081/3080/2082/2081/2080R/2080E/2080/2060E/2042R/2040/2022R/2022/2021/2020R/2020, SND-7061/7011/5061/5011/2010/1080/1011, ivory
Hanwha Techwin	**SBP-300B**	**0615890**	Wall mount base compatible with mounts SBP-300WM/300WM1, ivory
Hanwha Techwin	**SBP-300CM**	**0552120**	Pendant mount bracket, 305mm
Hanwha Techwin	**SBP-300LM**	**0552140**	Aluminium parapet mount accessory, ivory
Hanwha Techwin	**SBP-300PM**	**0552150**	Pole mount adaptor for wall bracket
Hanwha Techwin	**SBP-300WM**	**0552110**	Plastic wall mount for indoor domes. Compatible with SCD-5030/5020/3083/3082E/3081/3080/2082/2081/2080R/2080E/2080/2060E/2042R/2040/2022R/2022/2021/2020R/2020, SND-7061/7011/5061/5011/2010/1080/1011, ivory
Hanwha Techwin	**SBP-300WM1**	**0589140**	Wall mount, compatible with SCP-3430H/2430H, SCP-3370TH/3370H, SCP-2370TH/2370H, SCP-3250H/2250H, SCP-3120VH, SNP-5430H/6320H/6320RH, SNP-5200H/3302H, SNP-6321H/5321H/SNP-L6233H/L5233H/L6233RHH/SNP-3371TH/3371H,SNP-3120VH, all caps except SBP-329HM, SHP-3701H
Hanwha Techwin	**SBP-300BW**	**0894410**	Wall mount base compatible with mounts SBP-300WMW/300WMW1, QNV-6012R1/6022R1/6032R1/6082R1, QND-6012R1/6022R1/6032R1/6082R1 white
Hanwha Techwin	**SBP-300CMW**	**0630670**	Aluminium ceiling mount accessory, can be used with hanging mount and outdoor PTZ, QNV-6012R1/6022R1/6032R1/6082R1, QND-6012R1/6022R1/6032R1/6082R1, white
Hanwha Techwin	**SBP-300HM7**	**0753010**	Aluminium hanging mount for dome cameras. Compatible with XNV-6011, XND-8020R/8030R/8040R/6010/6020R, QND-7010R/7020R/7030R/6010R/6020R/6030R, HCD-7010R/7020R/7030R/6010/6020R/6030R, SND-L6013/L6013R/L5013/L6012, SCD-6023R, SNV-6013, ivory
Hanwha Techwin	**SBP-300HM8**	**0719330**	Aluminium hanging mount for indoor dome cameras. Compatible with PND-9080R, XND-8080RV/8080R/6080/6080R/6080V/6080RV/L6080R/L6080V/L6080RV, ivory
Hanwha Techwin	**SBP-300HMW7**	**0642580**	Aluminium hanging mount for dome cameras. Compatible with XNV-6011, QND-8010R/8020R/8030R/6012R/6022R/6032R, LND-6010R/6020R/6030R, QND-6012R1/6022R1,6033R1, white
Hanwha Techwin	**SBP-300HMW8**	**0894420**	Aluminium hanging mount for indoor dome cameras. Compatible with PND-9080R, XND-8080RV/8080R/6080/6080R/6080V/6080RV/L6080R/L6080V/L6080RV, white
Hanwha Techwin	**SBP-300KM1**	**0889660**	Corner mount adaptor, aluminium, ivory
Hanwha Techwin	**SBP-300KMS**	**0298730**	Stainless steel corner mount adaptor, compatible with SBP-300WMS and SBP-300WMS1
Hanwha Techwin	**SBP-300KMW1**	**0885070**	Corner mount adaptor, aluminium, QNV-6012R1/6022R1/6032R16082R1, QND-6012R1/6022R1/6032R1/6082R1 white
Hanwha Techwin	**SBP-300LMW**	**0891510**	Aluminium parapet mount accessory, QNV-6012R1/6022R1/6032R1/6082R1, white
Hanwha Techwin	**SBP-300NBW**	**0885620**	Installation back box compatible with SBP-300WMW, SBP-300WMW1, SBP-300KMW, SBP-300PMW, IP66, QNV-6012R1/6022R1/6032R1/6082R1, QND-6012R1/6022R1/6032R1/6082R1 white
Hanwha Techwin	**SBP-300PM1**	**0897850**	Pole mount adaptor, aluminium, ivory
Hanwha Techwin	**SBP-300PMS**	**0298740**	Pole mount adaptor, aluminium, compatible with SHB-4200H, SHB-4300HP, SHB-4301H2, SBP-300PMW1, white
Hanwha Techwin	**SBP-300PMW1**	**0883130**	Pole mount adaptor, aluminium, QNV-6012R1/6022R1/6032R1/6082R1,QND-6012R1/6022R1/6032R1/6082R1 white
Hanwha Techwin	**SBP-300TM1**	**0740960**	Tilted wall mount (polycarbonate), 20° tilt, compatible with 5MP fisheye cameras (SNF-8010, SNF-8010VM, XNF-8010R/RV/RVM, PNF-9010R/RV/RVM), ivory
Hanwha Techwin	**SBP-300WMW**	**0894430**	Gooseneck wall mount. Compatible with XNP-6371RH/6370RH/6320H, SHP-3701H, SCP-3430H/2430H/3370TH/3370H/2370TH/2370H/3250H/2250H/3120VH, SNP-5430H/6320H/6320RH/5200H/3302H/6321H/5321H/L6233H/L5233H/L6233RHH/3371TH/3371H/3120VH, QNV-6012R1/6022R1/6032R1/6082R1, QND-6012R1/6022R1/6032R1/6082R1, all hanging mounts, white
Hanwha Techwin	**SBP-300WMW1**	**0630660**	Aluminium wall mount compatible with XNV-6081/XNV-8081/XND-6081V/XND-8081V, QNV-6012R1/6022R1/6032R1/6082R1, QND-6012R1/6022R1/6032R1/6082R1 and white hanging caps, white
Hanwha Techwin	**SBP-301HM3**	**0584930**	Aluminium hanging mount for PTZ cameras. Compatible with XNP-6320, QNP-6230, HCP-6230/6320/6320A, SCV-2120/ 2080R/3120/3080/2080/2060, SNV-7082/7080R/7080/5080R/5080/3120/3082, SCP-3371/2373/ 2371/2273/2271, SNP-6320/6321/6201/5430/5321/L6233/L5233/5300, SCV-2120/2080R/3120/3080/2080/2060, ivory
Hanwha Techwin	**SBP-301HM4**	**0728020**	Aluminium hanging mount for indoor dome cameras. Compatible with SCD-6021/6083R/5083R/5083/5082/5080, SND-6011R, SNF-7010VM/7010V/7010, ivory
Hanwha Techwin	**SBP-301HM5**	**0673450**	Aluminium hanging mount for dome and PTZ cameras. Compatible with XNP-6040H, QNV-7080R/6070R, HCV-7070R/6070R/6080R/6080, ivory
Hanwha Techwin	**SBP-301HMW2**	**0859850**	Aluminium hanging mount for outdoor dome cameras. Compatible with QNV-8080R/6082R/6082R1, LNV-6070R, white
Hanwha Techwin	**SBP-301HMW3**	**0894440**	Aluminum hanging mount for indoor dome cameras. Compatible with QNP-6230, XNP-6320/6321, HCP-6230/6320/6320A, SCP-3371, SNP-6320/6321/6201/5430/5321/L6233/L5233/5300, SNV-7082/7080R/7080/5080R/5080/3120, white
Hanwha Techwin	**SBP-302CMBW**	**0896940**	Aluminium ceiling mount accessory, Compatible with all accessories with 1-1/2" PF thread, white
Hanwha Techwin	**SBP-302PM**	**0810780**	Pole mount adapter compatible with SBO-100B1, PNO-9080R, SNO-8081R, QNO-7080R/6070R, QNO-7010R/7020R/7030R/6010R/6020R/6030R, QNO-6012R1/6022R1/6032R1
Hanwha Techwin	**SBP-303PM**	**0894450**	Pole mount for thermal/bullet camera, white
Hanwha Techwin	**SBP-317HMW**	**0876060**	Aluminium hanging mount for multi-directional cameras. Compatible with PNM-9084RQZ1/PNM-9085RQZ1, white
Hanwha Techwin	**SBP-390WM1**	**0803620**	Aluminium wall mount compatible with PNM-9081VQ/9080VQ/9020V/9320VQP, all Wisenet PTZ cameras, ivory
Hanwha Techwin	**SBP-390WM2**	**0857440**	Aluminium wall mount compatible with PNM-7000VD/9000VQ/9020V/9030V/9080VQ/9081VQ/9320VQP, ivory
Hanwha Techwin	**SBP-390WMW2**	**0858920**	Aluminium wall mount compatible with PNM-7002VD/8082VT/9000VD/9002VQ/9022V/9084QZ/ 9084RQZ/9085RQZ/9322VQP, white
Hanwha Techwin	**SBP-SCP/SN**	**0594110**	Swan neck bracket for use with the SCP external dome ranges
Hanwha Techwin	**STB-4150V**	**0455210**	Aluminium fixed camera mount, compatible with box cameras, bracket for STH-500/200, silver
Hanwha Techwin	**SHD-1128FPW**	**0894480**	Polycarbonate in-ceiling flush mount for dome cameras. Compatible with QND-8021/8011/6021/6011 XND-8040R/8030R/8020R/6020R/6010, white, RAL9003
Hanwha Techwin	**SHD-1198FW**	**0894490**	Polycarbonate in-ceiling flush mount for dome cameras. Compatible with QND-6070R/6082R/7080R/8080R, HCD-6070R/6080R/7070R/7080R, white
Hanwha Techwin	**SHD-1350FPW**	**0894500**	Aluminium in-ceiling housing, RAL9003, Compatible with XND-6083RV/8083RV/8093RV/9083RV/XND-8093RV/9083RV
Hanwha Techwin	**SHD-1408FW**	**0890370**	Polycarbonate in-ceiling flush mount for dome cameras. Compatible with PND-9080R, XND-6080/6080R/6080RV/6080V/8080R/8080V/8080RV/L6080R/L6080RV/L6080V, HCV-6070R/6080/6080R/7070R/7080R, QNV-6082R1, white
Hanwha Techwin	**SHD-1600FPW**	**0894510**	Polycarbonate in-ceiling flush mount for dome cameras. Compatible with PNV-9080R XNF-9010RV/8010R/8010RV XND-6085/6085V XNV-6085/6120/6120R/8080R/6080R/6080 XNV-L6080R/L6080, white, RAL9003
Hanwha Techwin	**SHD-2510FPW**	**0894520**	Aluminium in-ceiling flush mount for Multisensor cameras. Compatible with PNM-9084QZ1/ PNM-8082VT, white
Hanwha Techwin	**SHD-3000FW2**	**0894530**	Polycarbonate in-ceiling flush mount for indoor dome cameras. Compatible with QND-8080R, QND-6082R, white
Hanwha Techwin	**SHD-3000FW3**	**0864670**	Polycarbonate in-ceiling flush mount for outdoor dome cameras. Compatible with QNV-8080R, QNV-6082R, white
Hanwha Techwin	**SHP-1560FW**	**0894540**	Plastic in-ceiling flush mount PTZ cameras. Compatible with XNP-9250, XNP-8250, XNP-6400, white
Hanwha Techwin	**SHP-1680FW**	**0849550**	Polycarbonate in-ceiling flush mount PTZ and dome cameras. Compatible with XNP-6120H, XNV-6120/6120R/6085, XND-6085/6085V, white
Hanwha Techwin	**SPB-PTZ85W**	**0894560**	Smoked dome cover for PTZ PLUS models: XNP-6400/8250/9250, XNP-6400R/8250R/9250R
Vista	**VHE-23-EPMA**	**0442920**	External pole mount adaptor for 1 or 2 VHE-23 housings
Vista	**VHE-23-HTRHV**	**0444630**	Heater assembly for VHE-23, 230VAC
Vista	**VHE-23-HTRLV**	**0444620**	Heater assembly for VHE-23, 24VAC

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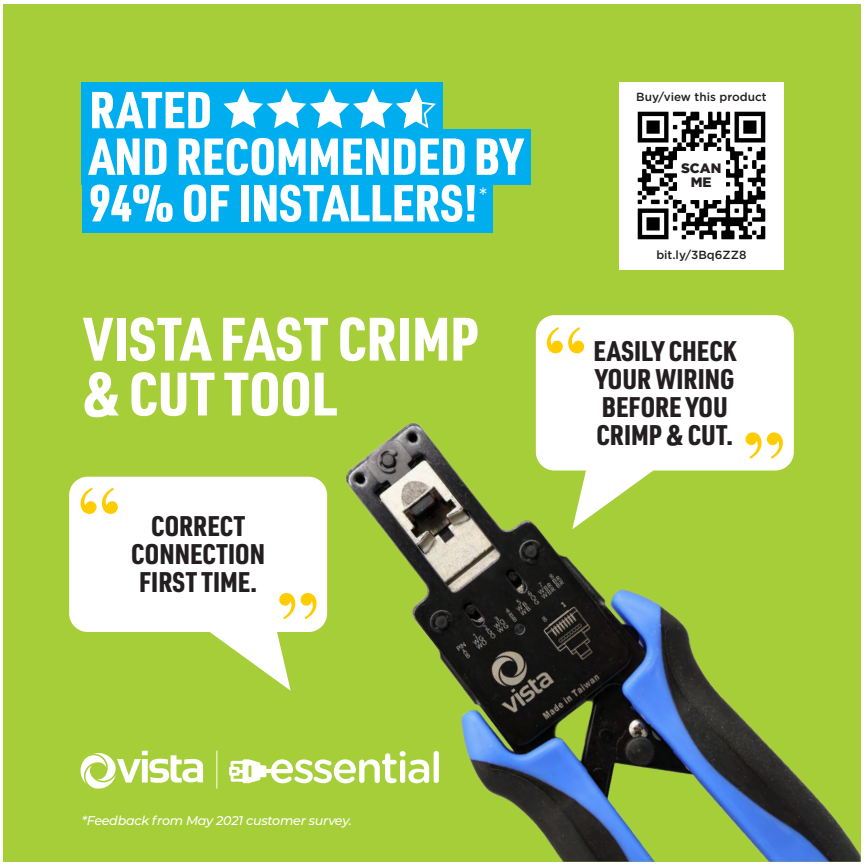
	Manufacturer	Part No.	Quick Ref.	Product Description
OTHER BRACKETS/ADAPTORS				
	Hanwha Techwin	**SBF-100B1**	**0194450**	Aluminium back box for Fisheye cameras, compatible with SNF-8010/VM, XNF-8010R/RV/RVM, PNF-9010R/RV/RVM
	Hanwha Techwin	**SBO-100B1**	**0085190**	Aluminium back box for bullet cameras, compatible with QNO-6030R/6020R/6010R, QNO-6032R1/6022R1/6012R1, QNO-7030R/7020R/7010R, QNO-7080R/6070R, SNO-L6083R/L5083R, SCO-6083R
	Hanwha Techwin	**SBV-158G**	**0748460**	Back box for outdoor vandal domes, compatible with PNV-9080R, XNV-6080/R, XNV-8080R, XNV-6120/R, XNV-6085, XNV-L6080/R, SNV-5084/R,SNV-6084/R, SNV-7084/R, SNV-8081R, SNV-8080, ivory
	Hanwha Techwin	**SBV-136B**	**0076920**	Waterproof aluminium back box with knockout panels, compatible with XNP-6040H, QNV-7080R, QNV-6070R, HCV-6070R/6080R, HCV-6080, HCV-7070R/7080R, SNV-L6083R, SNV-L5083R, SCV-5082, SCV-5083, SCV-5085, SCV-5083R, SCV-6083R/ 6023R, ivory
A	Vista	**DJBW**	**0811180**	Dome junction box, white
	Vista	**VFDA-IWMB/W**	**0656110**	Internal wall mount bracket, white
	Vista	**VCW-IWMB**	**0825400**	Internal wall mount bracket (plastic), white
	Vista	**VDM-IPMCA(VW)**	**0476070**	Internal pole mount ceiling adaptor, white
	Vista	**VDM-IPMGA(VW)**	**0476080**	Internal pole mount girder adaptor, white
	Vista	**VDM-2MP(VW)**	**0476060**	2m pole, 38mm diameter, white
	Vista	**VDM-C**	**0276250**	Pole coupler, white
	Vista	**VXID-IPMAW**	**0718890**	Internal pendant mount adaptor for internal static cameras, white
	Vista	**VDM-WMVRD**	**0366950**	External wall mount bracket for VVRD, white
	Vista	**VDM-WMJB**	**0366930**	Wall mount junction box (for use with VDM-WMVRD), white
	Vista	**VPL-IPMAW**	**0718900**	Internal pendant mount adaptor for VVRD cameras, white
	Vista	**VRD-EPMBW**	**0811200**	External pendant mount bracket 0.5m for VVRD cameras, white
	Vista	**VRD-TMW**	**0811210**	Swan neck tower mount for VVRD cameras, white
	Vista	**VRD-TMJBW**	**0811220**	Swan neck tower mount with junction box for VVRD cameras, white
	Vista	**VPL-SM-FMW**	**0508680**	Flush mount bracket for SM PTZ camera (not VK2-HDX23IR-SM), white
	Vista	**VDM-WMVP**	**0366940**	External wall mount bracket for SM PTZ cameras, white
	Vista	**VPP-IPMB250**	**0472170**	Internal pendant mount bracket 250mm drop for PM PTZ cameras
	Vista	**VPP-IPMB500**	**0472180**	Internal pendant mount bracket 500mm drop for PM PTZ cameras
	Vista	**VPP-IPMB1000**	**0472190**	Internal pendant mount bracket 1000mm drop for PM PTZ cameras
	Vista	**VPP-IPMB2000**	**0472200**	Internal pendant mount bracket 2000mm drop for PM PTZ cameras
	Vista	**VPP-IPMAW**	**0663570**	Internal pendant mount adaptor for PM PTZ cameras, white

vista

A DJBW

- IP66 is suitable for internal or external use
- Unobtrusive design, whilst large enough to hide connections
- White, to fit all HDA and VK2 VRD bullet and turret cameras
- 3/4" NPT side entry



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Experience
The Norbain Advantage

Wide range of security brands

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- Access to exclusive brands
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	Manufacturer	Part No.	Quick Ref.	Product Description
	ALTRON FIXED COLUMN TOWERS (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**ACC1/FB/LA**	**0048160**	4.5m fixed base column
	Altron	**ACC2/FB/LA**	**0164680**	6m fixed base column
	ALTRON TILT-DOWN COLUMN TOWERS (BASE MOUNTED IN CONCRETE)			
	Altron	**ACC1/PM/LA**	**0557060**	4.5m tilt-down column post mounted into concrete
	Altron	**ACC2/PM/LA**	**0385650**	6m tilt-down column post mounted into concrete
	ALTRON FIXED BASE LATTICE TOWER (BASE MOUNTED IN CONCRETE)			
	Altron	**ACT2/FB**	**0045330**	6m fixed base lattice tower
	ALTRON TILT-DOWN COLUMN TOWERS (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**ACC1/BP/LA**	**0198740**	4.5m tilt-down column base post bolt to concrete
A	Altron	**ACC2/BP/LA**	**0045780**	6m tilt-down column base post bolt to concrete
	ALTRON TILT-DOWN LATTICE TOWER (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**ACT1/BP**	**0045920**	4.5m tilt-down lattice tower base post bolted to concrete
B	Altron	**ACT2/BP**	**0045290**	6m tilt-down lattice tower base post bolted to concrete
	ALTRON TILT-DOWN TUBULAR POLE (BASE TO BE BOLTED ON CONCRETE)			
C	Altron	**AW1859/6**	**0050570**	6m tilt-down tubular pole
	Altron	**AW4460/6**	**0588480**	6m light duty tilt-down tubular pole
	ALTRON WALL MOUNT POLES			
	Altron	**ACP1/150**	**0303110**	3m wall mount pole with 150mm stand off
	Altron	**ACP2/150**	**0373180**	4m wall mount pole with 150mm stand off
	Altron	**ACP3/150**	**0228600**	5m wall mount pole with 150mm stand off
	Altron	**ACP4/150**	**0408790**	6m wall mount pole with 150mm stand off
D	Altron	**AW1934/4**	**0438740**	4m tilt-down wall pole
	ALTRON CABINET BASED POLES			
E	Altron	**AW1545/6/BAS**	**0322380**	6m cabinet based pole (350mm cabinet as standard)
	Altron	**AW1545/6TD/BAS**	**0340970**	6m tilt-down cabinet based pole (350mm cabinet as standard)
	ALTRON TUBULAR FIXED POLES (BASE TO BE BOLTED ON CONCRETE)			
	Altron	**AW1755/3**	**0053820**	3m light duty tubular pole
	Altron	**AW1592/4**	**0557670**	4m medium duty tubular pole

PLEASE NOTE: Templates and bolts will be quoted for as required.

A ACC2/BP/LA

- Modular construction for ease of assembly and installation on site
- Close fitting flush doors with secure heavy duty locks
- Internal padlock facility
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations
- Tilt-down models enable cameras maintenance at ground level, therefore reducing maintenance costs
- Available with AW1697 cabinet if required

B ACT2/BP

- Modular construction for ease of assembly and installation on site
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations
- Tilt-down models enable camera maintenance at ground level, therefore reducing maintenance costs
- Conduit cabling system available as option
- Available with AW1697 cabinet if required

C AW1859/6

- Close fitting flush doors with secure heavy duty locks and treated backboard
- Internal padlock facility
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations
- Tilt-down models enable camera maintenance at ground level, therefore reducing maintenance costs
- Can be mounted with anchor bolts below ground level
- Available with embedded/direct burial version

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

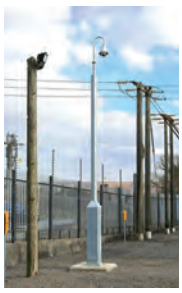
	Manufacturer	Part No.	Quick Ref.	Product Description
ALTRON POLE TOWER ACCESSORIES				
	Altron	**PTS1**	**0045440**	Static pan & tilt bracket to mount 1x housing
	Altron	**SGT1**	**0045970**	Tower anti-climb guard (match number to tower)
	Altron	**SGC1**	**0046000**	Column anti-climb guard (match number to tower)
	Altron	**TB2-600F**	**0075160**	Twin mounting bracket for static housing
	Altron	**TB2-1000**	**0141050**	Twin mounting bracket for PTZ cameras
	Altron	**DW1500AC**	**0287270**	Demountable winch for ACC3 (suffix part number with pole type)
	Altron	**DW1000AC**	**0302650**	Demountable winch for ACC1/2 (suffix part number with pole type)
	Altron	**BCB-T1**	**0627750**	Single bullet camera mounting bracket
	Altron	**BCB-T2**	**0697420**	Twin bullet camera mounting bracket
	Altron	**AW1699F**	**0394930**	Pole top full swan neck for Pelco dome (other dome types available)
F	Altron	**AW1699/H**	**0532840**	Pole top half swan neck for Phillips dome (other dome types available)

ALTRON The Pinnacle of Camera Mounting

D AW1934/4

- Ideal for gaining an elevated viewpoint from existing structures
- Common size held in stock
- Winches demountable for added security
- Available in tilt away, left and right tilt versions and also for corner mounting

ALTRON The Pinnacle of Camera Mounting



E AW1545/6/BAS

- Close fitting flush doors with secure heavy duty locks and treated backboard
- Available in cabinet sizes from 300mm to 600mm square (350mm square as standard)
- Available as tilt-down version
- Demountable winches ensure tilt-down models are secure and reduces costs on multiple installations

ALTRON The Pinnacle of Camera Mounting

F AW1699/H

- Swan neck brackets fit to the top of any Altron CCTV camera mounting product - fixes with 101.6 PCD plate
- Cabling for dome concealed through swan neck
- Stock holding for common dome types
- Can be produced to suit any dome type
- Available in twin (AW1699T), triple (AW1699/3H) and quadruple (AW1699/4H) dome mounting system

POCKET-SIZE BUZZ – PERIMETER PROTECTION

Solutions for Perimeter Protection are becoming increasingly more affordable for those businesses traditionally seen as medium to low risk.

And protection at the very edge of your site means action can be taken at the earliest opportunity when there is a breach.

Pocket-size Buzz introduces this interesting topic.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

MONITORS

Below are examples of monitors required to complete an IP & Analogue CCTV installation. Please be sure to speak with your Norbain Sales Team for further information.

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Public Viewing Monitors

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Monitors

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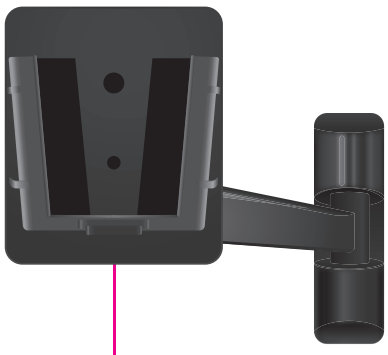

Monitor Accessories

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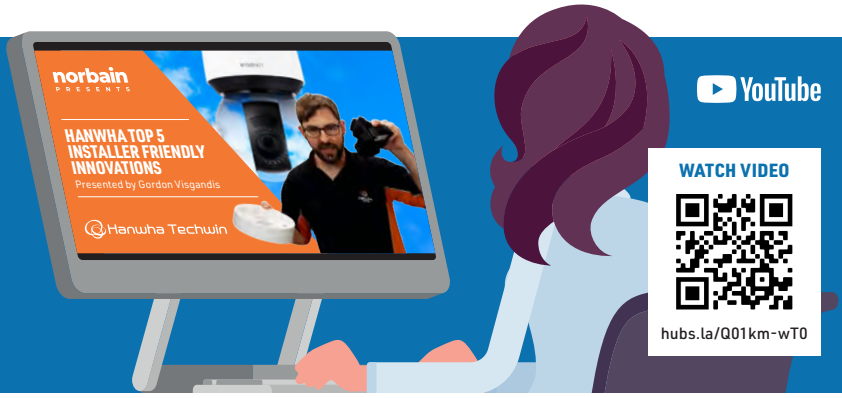
Manufacturer	Part No.	Quick Ref.	Product Description
HANWHA TECHWIN PUBLIC VIEWING MONITORS			
Hanwha Techwin	**SMT-1030PV**	**0861060**	10" IP PVM Monitor (Black)
Hanwha Techwin	**SMT-2730PV**	**0861070**	27" IP PVM Monitor (Black)
Hanwha Techwin	**SMT-3230PV**	**0861080**	32" IP PVM Monitor (Black)

NORBAIN PRESENTS: HANWHA TOP 5 INSTALLER FRIENDLY INNOVATIONS

Watch Gordon Visgandis from Hanwha Techwin talk about five installer-friendly innovations for security installers. Find out about clever inventions like modular magnetic designs, PoE extenders, lighter PTZs and more, all designed to make your life easier.



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Manufacturer	Part No.	Quick Ref.	Screen Size	Screen Aspect Ratio	Max. Screen Resolution	LED Backlight	Contrast Ratio	Response Time at Max. Aspect Ratio	Glass Front Screen	Desk Mount Included	VESA	Camera or Decoder	Face Detection	Power Consumption	Power Type	Case Colour
VISTA PUBLIC VIEWING MONITORS																
Vista	**PVM10CAMN**	**0871300**	10"	16:9	1280x800	✓	800:1	25mS	✓	-	75x75 (MIS-D 75)	Camera	-	12W	-	Black
Vista	**VK2-PVM27CAM**	**0407030**	27"	16:9	1920x1080	✓	3000:1	12mS	✓	-	100x200 (MIS-E)	Camera	-	22W	-	Black
Vista	**VK2-PVM32CAM**	**0496450**	32"	16:9	1920x1080	✓	1200:1	8mS	✓	-	100x200 (MIS-E)	Camera	-	22W	-	Black
Vista	**VK2-PVM27CAMFD**	**0637000**	27"	16:9	1920x1080	✓	3000:1	12mS	✓	-	100x200 (MIS-E)	Camera	✓	22W	PoE+/24VDC	Black
Vista	**VK2-PVM32CAMFD**	**0637010**	32"	16:9	1920x1080	✓	1200:1	8mS	✓	-	100x200 (MIS-E)	Camera	✓	22W	PoE+/24VDC	Black
Vista	**VK2-PVM18DEC**	**0496570**	18.5"	16:9	1366x768	✓	1000:1	5mS	✓	✓	100x100 (MIS-E)	Decoder	-	25W	-	Black
Vista	**VK2-PVM27DEC**	**0496580**	27"	16:9	1920x1080	✓	3000:1	12mS	✓	-	100x200 (MIS-E)	Decoder	-	22W	-	Black
Vista	**VK2-PVM32DEC**	**0496590**	32"	16:9	1920x1080	✓	1200:1	8mS	✓	-	100x200 (MIS-E)	Decoder	-	22W	-	Black

vista

VISTA PVM CAM RANGE

- Full HD 1080p resolution: Gives highly detailed recorded images
- H.265 video format: Greatly reduces the bandwidth and storage requirements for compatible recording solutions
- DWDR (120dB): Wide Dynamic Range function allows it to produce detailed images even in scenes of high contrast
- Anti-mask alarm: Alerts staff that the device is being tampered with
- MicroSD card edge storage: Record motion detection to a MicroSD card if required
- PoE powered: Power directly from a PoE switch without the need for additional mains spurs to be installed

The PVMCAM is a 10", 27" or 32" monitor with a built-in 1080p H.265 IP camera that can add to the armoury of retailers in the fight to help reduce shrinkage and protect profits. The 10" compact version is ideal for areas such as self scan tills, high value goods areas and aisles. The larger 27" and 32" models have been designed to be installed at store entrances and lobbies.

vista

VISTA PVM CAM(FD) WITH FACE DETECTION

- Includes face detection analytics to display banding boxes around faces
- PoE+ powered for low cost installation
- 27" or 32" options
- 1080p TWDR cameras
- Privacy masking for chip and pin
- Event record to MicroSD IR remote control

Similar to the PVM CAM range, the 27" and 32" models have the addition of a camera with built-in facial detection. When the analytics in the camera detect a face within the image, it surrounds the face with a yellow box. For contrasting scenes of view, the 120dB True WDR camera provides balanced images, ensuring highly detailed images are displayed. The combination of the 3.6mm wide angle lens and VESA100 mount allows the monitors to be easily mounted in either landscape or portrait mode to more efficiently view an aisle. The monitors can be powered by either 24VDC or PoE+ (IEEE802.3at), allowing power and control to be achieved with a single CAT5e cable.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

VISTA PVM DEC RANGE

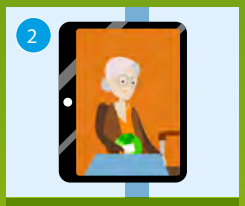
- 4K (8MP) ultra high definition resolution: The decoder can display up to four 4K IP cameras
- Advertising media display: As well as displaying cameras, video files can be uploaded to the monitor to be displayed in split screen segments
- PoE powered: Power directly from a PoE switch without the need for additional mains spurs to be installed
- Multiple control options: Control via its own web page, Viper Central software or Vista's Virtual Matrix (to add additional monitor outputs)

The PVMDEC are 18.5", 27" or 32" PoE powered monitors with a built-in 4K resolution decoder. The decoder is capable of displaying up to 16 cameras on the screen at the same time. It has the added advantage of being able to display video media files for advertising or information purposes. Using either motion detection or the Video Content Analytics of an IP camera, the decoder can be programmed with several different options for switching between advertising media and a camera image. For example: an advertising video can be playing, then the Intrusion or Line Crossing analytics can be used to trigger a small cameo Picture in Picture image of the camera, so making the customer aware they are being monitored.

HOW THE CAMERA MODELS WORK

Using motion detection, the in-built camera is activated when an individual approaches the monitor. The resulting high-definition image shows live footage of the individual and their actions in the immediate environment.

PVM displays business logo or static advert screen



Individual approaches camera

Live view mode triggered to display custom warning message

Footage observed by individual on screen and recorded remotely

Unwanted behaviour discouraged or desired behaviour encouraged

DECODER MODELS

The decoder options can display images from up to 16 cameras or video files. They are ideal for displaying advertising information or informative media content at the same time as offering CCTV security functionality. Video files can be displayed as a full screen or as a segment within a split screen view. Like the camera single screen models, the content can be shown permanently, activated by motion detection or by using video analytic triggers.

Decoder screen layout variations:

16 channel split screen display

Quad display: 3 live cameras and 1 advertising video segment

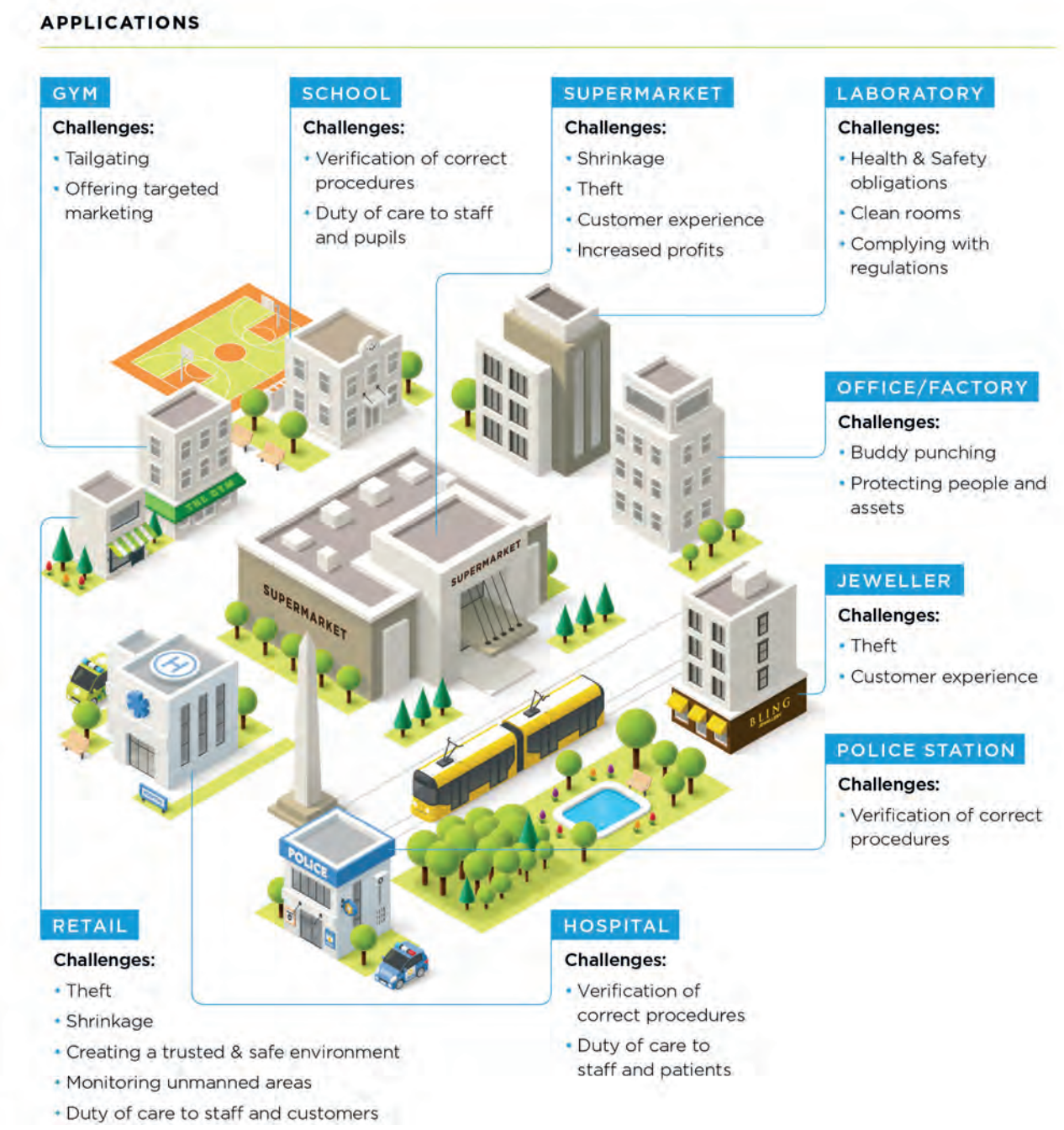
Picture in Picture (PiP): full screen advertising video with 1 small live camera segment

Full screen advertising video

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
VISTA PUBLIC VIEWING MONITOR ACCESSORIES			
Vista	**VESAPMX**	**0857990**	Vesa mount bracket for 38-50mm pole
Vista	**VESAWM**	**0498620**	Vesa 75/100 fixed wall bracket
Vista	**VESAWMPT**	**0498630**	Vesa 75/100 pan and tilt wall mount
Vista	**VESAWMPTE**	**0498640**	Vesa 75/100 pan and tilt wall mount with 250mm arm
Vista	**LCD-IPMCA**	**0251750**	Internal pendant mount ceiling adapter
Vista	**LCD-IPMGA**	**0249130**	Internal pendant mount girder adapter
Vista	**VCBDEL2M**	**0092210**	2m pole, chrome
Vista	**VESAPA1**	**0264980**	Vesa 75/100 single monitor adapter
Vista	**VESAPA2**	**0264990**	Vesa 75/100 dual monitor adapter
VISTA POE SWITCH RANGE			
Vista	**QSW4**	**0766120**	4 port PoE switch dual up link CCTV
Vista	**QSW8**	**0766130**	8 port PoE switch dual up link CCTV
Vista	**QSW16**	**0486900**	16 port CCTV PoE switch (250m)
Vista	**QSW24M**	**0882360**	24 port CCTV PoE managed switch (250m)

APPLICATIONS OF PVM RANGE



All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

WANT TO DISCOURAGE UNWANTED BEHAVIOUR AND PROTECT PROFITS?

You need the Vista Public Viewing Monitor range!

Vista's Public Viewing Monitors (PVMs) are ideal for protecting high risk areas in a variety of environments, preventing tailgating & buddy punching, ensuring health & safety requirements are met, and creating an enhanced customer experience.

Clients reported that the PVM range has:

INCREASED PROFITS BY **30%**

REDUCED THEFT BY **50%**

CAMERA RANGE

Using motion detection, the in-built camera is activated when an individual approaches. On-screen footage is shown live and is recorded remotely.

DECODER RANGE

Displays images from up to 16 cameras or video files. Ideal for advertising information or media content alongside CCTV footage.

Benefits include:

- Reduces theft
- Protects profits
- Discourages unwanted behaviour
- Encourages desired behaviour
- Creates secure, trusted environment
- Enhances customer experience

Want to discover more?

The variety of uses for the PVM range is extensive. Why not watch our series of short animations to find out more? Alternatively, scan the QR code or visit **norbain.com/pvm**.

Watch PVM **VIDEOS**

Search **"Vista PVM"** on Youtube

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email: **info@vista-cctv.com**

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*TO SCAN THE QR CODE, MAKE SURE YOUR PHONE/DEVICE HAS A SUITABLE READER. MOST MODERN ANDROID AND IOS SMART PHONE CAMERAS WILL AUTOMATICALLY SCAN THE CODE AND PROVIDE THE PRODUCT'S URL LINK, WHICH WILL OPEN FROM THE DEVICE'S WEB BROWSER.

	Manufacturer	Part No.	Quick Ref.	Screen Size	Screen Aspect Ratio	Max. Screen Resolution	Sony 960H Approved	LED Backlight	CVBS	VGA	HDMI	DVI	Audio Input	Contrast Ratio	Response Time at Max. Aspect Ratio	Glass Front Screen	Desk Mount Included	VESA	Power Consumption	Case Colour
22" AND UNDER MONITORS																				
	Hanwha Techwin	**SMT-1935**	**0780920**	19"	4:3	1280x1024	-	-	-	✓	✓	-	✓	1000:1	5mS	✓	-	100x100mm	<22W	Black
	Hikvision	**DS-D50190E-B**	**0789220**	19"	16:9	1366x768	-	✓	-	✓	✓	-	-	600:1	5ms	-	✓	75x75 (MIS-D 75)	20W	Black
	Hikvision	**DS-D5022FC**	**0789240**	21.5"	16:9	1920x1080	-	✓	-	✓	✓	-	✓	1000:1	5mS	-	✓	100x100 (MIS-D)	30W	Black
	Hikvision	**DS-D5022FN-C**	**0872310**	22"	16:9	1920x1080	-	✓	-	✓	✓	-	-	3000:1	6.5mS	-	✓	75x75 (MIS-D 75)	22W	Black
	IDIS	**SM-F212**	**0896920**	21"	16:9	1920x1080	-	✓	-	✓	✓	-	✓	1000:1	5mS	-	✓	100x100 (MIS-D)	25.2W	Black
A	Vista	**VFS118WHDA**	**0338110**	21.5"	16:9	1920x1080	✓	✓	✓	✓	✓	-	✓	1000:1	5mS	-	✓	75x75 (MIS-D 75)	<30W	Black
	Vista	**VFS121WHDA**	**0773530**	19"	4:3	1920x1080	✓	✓	✓	✓	✓	-	✓	1000:1	<5mS	✓	✓	100x100 (MIS-D)	18.5W	Black
40" AND UNDER MONITORS																				
	Hanwha Techwin	**SMT-2431**	**0904500**	24"	16:9	1920x1080	-	✓	-	✓	✓	-	✓	1000:1	5mS	✓	-	100x100mm	<24W	Black
	Hanwha Techwin	**SMT-3234**	**0890050**	31.5"	16:9	1920x1080	-	✓	-	✓	✓	✓	✓	2250:1	8mS	✓	-	100x100mm	60W	-
	Hikvision	**DS-D5024FC-C**	**0895220**	24"	16:9	1920x1080	-	✓	-	✓	✓	-	✓	4000:1	6.5mS	-	✓	75x75 (MIS-D 75)	22W	Black
	Hikvision	**DS-D5027FN**	**0679630**	27"	16:9	1920x1080	-	✓	-	✓	✓	-	-	4000:1	6.5mS	-	✓	75x75 (MIS-D 75)	40W	Black
	Vista	**VFS124WHDA**	**0773540**	24"	16:9	1920x1080	✓	✓	✓	✓	✓	-	✓	1000:1	<5mS	✓	✓	100x100 (MIS-D)	28W	Black
42" AND ABOVE MONITORS																				
	Hanwha Techwin	**SMT-4343**	**0880980**	43"	16:9	3480x2160	-	✓	-	-	✓	-	-	1000:1	8mS	-	-	100x100, 400x200	<80W	Black
	Hikvision	**DS-D5055UC-C**	**0882400**	55"	16:9	3480x2160	-	✓	-	✓	✓	-	✓	1200:1	8mS	-	-	400x400 (MIS-F 400)	180W	Black

	Manufacturer	Part No.	Quick Ref.	Product Description
MONITOR BRACKETS				
	Hanwha Techwin	**SBM-3232**	**0573650**	Monitor stand - compatible with SMT-3233
	Vista	**VESAWM**	**0498620**	VESA 75/100 wall bracket
	Vista	**VESAWMPT**	**0498630**	VESA 75/100 pan & tilt wall bracket
	Vista	**VCBDEL2M**	**0092210**	2m pole, 38mm diameter, chrome
	Vista	**VCBDEL2MB**	**0898200**	2m pole, 38mm diameter, black
	Vista	**VESAPA1**	**0264980**	VESA 75/100 single monitor pole adaptor
	Vista	**VESAPA2**	**0264990**	VESA 75/100 dual monitor pole adaptor
	Vista	**VFSM/VESA/CB**	**0093650**	VESA 75/100 wall/ceiling bracket with 1m drop, black
	Vista	**LCD-IPMCA**	**0251750**	Ceiling adaptor for drop pole mount (VCBDEL poles)
	Vista	**LCD-IPMGA**	**0249130**	Girder adaptor for drop pole mount (VCBDEL poles)
	Vista	**VESAPA32e**	**0483910**	Single TFT pole adaptor 32" TFT
	Vista	**VESAPM-50B**	**0660880**	VESA pole mount clamp 50mm black
	Vista	**VESAWMPTE**	**0498640**	VESA external tilt/turn 75/100 wall
	Vista	**VESAPMX**	**0857990**	VESA mount bracket for 38-50mm pole
HDMI LEAD				
	Vista	**HDMI lead 1.75m**	**0473430**	HDMi lead 1.75m

vista

VISTA VFS MONITORS

- 1080p Full HD resolution
- 16:9 format
- TVI, AHD and CVBS supported
- Desk stand included
- VESA100 mount

Our VFS monitor range produces high resolution, high contrast images via the exceptionally efficient backlit LED panel. This produces a cost saving of approximately 40% at 24VAC over current fluorescent backlit LCD monitors. Input types include HDMi, S-Video, PC, audio and BNC connections accepting TVI/AHD and CVBS technology. The hard glass front gives the screen extra protection when used in industrial environments. An intuitive multilingual menu system makes the monitors very simple to set up. Front panel key locks stop unwanted adjustment of monitor setting, while the combination of a VESA mount and desk stand allows the monitors to be mounted anywhere.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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security delivered

Knowledge In Your Pocket

Let Pocket-size Buzz take you through some of the key trends and technologies in the industry in our series of 60-90 second introductory videos. Of course, if you want to find out more about them, or how they can benefit your and your customers' businesses, we've got a team of experts – including full-size Buzz himself – on hand and ready to help support you.

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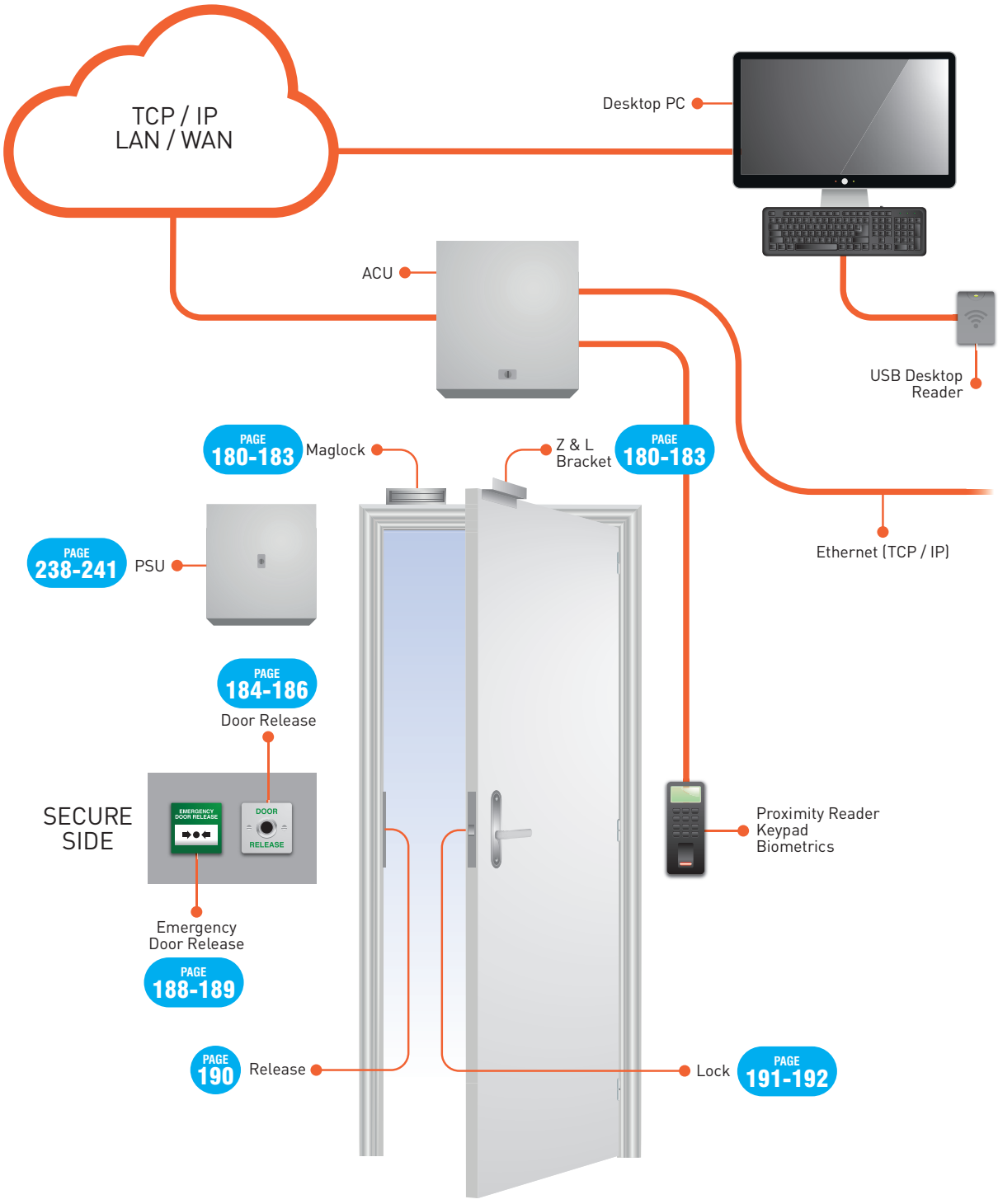
ACCESS CONTROL

This is a representation of the elements required to make up a Networked Access Control system. If you would like to discuss a particular project, please contact your Norbain Sales Team.



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- Suprema	160

	Manufacturer	Part No.	Quick Ref.	Product Description
	SIGNO 20 READERS STANDARD PROFILE			
A	HID	**20NKS-00-000000**	**0638930**	Signo 20, Mullion, 13.56MHz &125kHz, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**20TKS-00-000000**	**0638940**	Signo 20, Mullion, 13.56MHz &125kHz, OSDP/Wiegand, Terminal, Mobile Ready, BLE
	SIGNO 20 READERS SEOS PROFILE			
	HID	**20NKS-01-00001H**	**0638950**	Signo 20, Mullion, Seos Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**20TKS-01-00001H**	**0638960**	Signo 20, Mullion, Seos Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
	SIGNO 20 READERS SMART PROFILE			
	HID	**20NKS-02-0002BL**	**0638970**	Signo 20, Mullion, 13.56MHz Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**20TKS-02-0002BL**	**0638980**	Signo 20, Mullion, 13.56MHz Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
	SIGNO 20K READERS WITH KEYPAD STANDARD PROFILE			
B	HID	**20KNKS-00-000000**	**0638990**	Signo 20K, Mullion with keypad, 13.56MHz &125kHz, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**20KTKS-00-000000**	**0639000**	Signo 20K, Mullion with keypad, 13.56MHz &125kHz, OSDP/Wiegand, Terminal, Mobile Ready, BLE

Table continued on page 138

PRODUCT COMPARISON CHART

HID Signo™ Credential Compatibility

CREDENTIALS AUTHORIZED	Seos Profile	Smart Profile	Standard Profile	Communication Type
Seos® (Traditional & Mobile)	•	•	•	HF, NFC or BLE
iCLASS SE®		•	•	HF
iCLASS® SR		•	•	HF
iCLASS Legacy		•	•	HF
DESFire EV1/EV2/EV3 (SIO)		•	•	HF
MIFARE Classic (SIO)		•	•	HF
Card Serial Number (CSN)			•	HF
125kHz HID Prox®			•	LF
125kHz Indala®			•	LF
125kHz EM4102			•	LF

Key: HF = High Frequency | NFC = Near Field Communication | BLE = Bluetooth Low Energy | LF = Low Frequency

NORBAIN BASICS – ACCESS CONTROL

Our 'Types of Access Control' video walks you through the features and benefits of each different level you can install – Stand Alone, PC based or Door Entry.

Watch the video to find out what factors you should consider when deciding which to connect and which system is most commonly used in different scenarios.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

A

HID

HID SIGNO 20 READER

- Out-of-the-box support for Wiegand and OSDP
- On-board BLE and NFC
- Mobile-ready by default
- Enhanced user configuration via HID Reader Manager™ App
- Automatic surface detection for metalised environments
- Energy saving and brute force attack prevention
- Indoor/outdoor mounting - IP65

The Signo 20 is a mullion mount style reader that offers compatibility with both 125kHz, 13.56MHz and mobile technologies supporting HID Seos®, iCLASS SE®, iCLASS®, MIFARE Classic and DESFire EV1, EV2, EV3, Indala, HID Prox, CSN and EM4102.

HID Signo™ Readers offer a best in class user experience and unrivalled security.

B

HID

HID SIGNO 20K READER

- Out-of-the-box support for Wiegand and OSDP
- On-board BLE and NFC
- Mobile-ready by default
- Configurable backlit keypad options plus visually impaired mode
- Automatic surface detection for metalised environments
- Energy saving and brute force attack prevention
- Indoor/outdoor mounting - IP65

The Signo 20K is a mullion mount style reader with capacitive keypad that offers compatibility with both 125kHz, 13.56MHz and mobile technologies supporting HID Seos®, iCLASS SE®, iCLASS®, MIFARE Classic and DESFire EV1, EV2, EV3, Indala, HID Prox, CSN and EM4102.

HID Signo™ Readers offer a best in class user experience and unrivalled security.

POCKET-SIZE BUZZ – SMART CREDENTIALS FOR ACCESS CONTROL

In this video, Buzz introduces us to how smart devices can work alongside access control to create powerful, secure and flexible access solutions – not to mention helping to reduce our reliance on single use plastics!

TECHTALK – SMART CREDENTIALS

By offering Smart Credentials within Access Control, Security Specialists can really add value to their customers. This type of solution removes the need to issue physical access cards, tokens or fobs and reduces the risk of compromised security! Plus, they are more environmentally friendly while offering significant cost savings over time, with less administration required. Buzz Coates talks you through these benefits as well as how you'll benefit as a security installer and how to get started.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

HID MOBILE ACCESS IS OPENING DOORS TO THE FUTURE.

When the tastemakers and risk-takers of the world need to open doors, they choose the unparalleled convenience and security of HID Mobile Access.® Because while people in over 100 countries already use HID products to open millions of doors, the best credential is the one you never leave home without.

Powering **Trusted Identities**

Discuss how HID Mobile Access can work for your project
Call Norbain on 0118 912 5000 or email info@norbain.com

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NORBAIN TV

Norbain has a great YouTube channel where you can check out the latest product videos and explore new and upcoming technologies and is, of course, home to internet sensation, Pocket-size Buzz!

Playlists include:

- Norbain Presents – product videos from leading suppliers
- TechTalk – an in-depth view of key technologies in the industry
- Pocket-size Buzz – a quick overview of key technologies in the industry
- Vista – a selection of their most popular videos

We're adding to this the whole time so please check it out and let us know what other content you'd like to see. If you'd like to be kept up to date with new content, just like the channel to receive notifications.

YouTube

Experience
The Norbain Advantage

Dedicated sales teams

- Available 8.30am to 6.00pm
- Dedicated, friendly sales teams with extensive industry experience
- Field-based and internal teams
- Excellent IP knowledge
- Highly accredited staff
- Worldwide sales support

Want to find out more about how Norbain can support your business?
Contact us today:

info@norbain.com norbain.com 0118 912 5000

	Manufacturer	Part No.	Quick Ref.	Product Description
SIGNO 20K READERS WITH KEYPAD SEOS PROFILE				
	HID	**20KNKS-01-00001H**	**0639010**	Signo 20K, Mullion with keypad, Seos Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**20KTKS-01-00001H**	**0639020**	Signo 20K, Mullion with keypad, Seos Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 20K READERS WITH KEYPAD SMART PROFILE				
	HID	**20KNKS-02-0002BL**	**0639030**	Signo 20K, Mullion with keypad, 13.56MHz Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**20KTKS-02-0002BL**	**0639040**	Signo 20K, Mullion with keypad, 13.56MHz Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 40 READERS STANDARD PROFILE				
A	HID	**40NKS-00-000000**	**0639050**	Signo 40, Wall mount, 13.56MHz &125kHz, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**40TKS-00-000000**	**0639060**	Signo 40, Wall mount, 13.56MHz &125kHz, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 40 READERS SEOS PROFILE				
	HID	**40NKS-01-00001H**	**0639070**	Signo 40, Wall mount, Seos Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**40TKS-01-00001H**	**0639080**	Signo 40, Wall mount, Seos Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 40 READERS SMART PROFILE				
	HID	**40NKS-02-0002BL**	**0639090**	Signo 40, Wall mount, 13.56MHz Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**40TKS-02-0002BL**	**0639100**	Signo 40, Wall mount, 13.56MHz Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 40K READERS WITH KEYPAD STANDARD PROFILE				
B	HID	**40KNKS-00-000000**	**0639110**	Signo 40K, Wall mount with keypad, 13.56MHz &125kHz, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**40KTKS-00-000000**	**0639120**	Signo 40K, Wall mount with keypad, 13.56MHz &125kHz, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 40K READERS WITH KEYPAD SEOS PROFILE				
	HID	**40KNKS-01-00001H**	**0639130**	Signo 40K, Wall mount with keypad, Seos Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**40KTKS-01-00001H**	**0639140**	Signo 40K, Wall mount with keypad, Seos Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 40K READERS WITH KEYPAD SMART PROFILE				
	HID	**40KNKS-02-0002BL**	**0639150**	Signo 40K, Wall mount with keypad, 13.56MHz Profile, OSDP/Wiegand, Pigtail, Mobile Ready, BLE
	HID	**40KTKS-02-0002BL**	**0639160**	Signo 40K, Wall mount with keypad, 13.56MHz Profile, OSDP/Wiegand, Terminal, Mobile Ready, BLE
SIGNO 25B WEATHERPROOF FINGERPRINT WITH CARD READER				
	HID	**25BNKS-10-000000**	**0877320**	Signo Biometric Reader 25B

HID

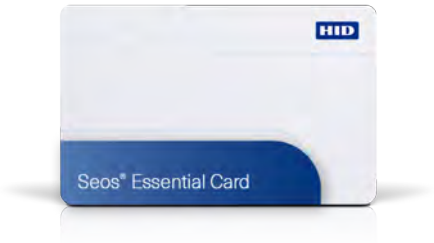
HID SIGNO 40 READER

- Out-of-the-box support for Wiegand and OSDP
- On-board BLE and NFC
- Mobile - ready by default
- Enhanced user configuration via HID Reader Manager™ App
- Automatic surface detection for metalised environments
- Energy saving and brute force attack prevention
- Indoor/outdoor mounting - IP65

The Signo 40 is a wall switch mount style reader that offers compatibility with both 125kHz, 13.56MHz and mobile technologies supporting HID Seos®, iCLASS SE®, iCLASS®, MIFARE Classic and DESFire EV1, EV2, EV3, Indala, HID Prox, CSN and EM4102.

HID Signo™ Readers offer a best in class user experience and unrivalled security.

HID



C 550PGGAN

- Single application - A cost effective and simplified approach designed for traditional Access Control solutions
- Convenient - Fully supported by HID Signo™, iCLASS SE® and MultiCLASS SE® reader platforms
- Ultra-fast read speeds
- Heightened privacy protection - Seos offers best-in-class data and privacy protection
- Highly secure - Data within the Secure Identity Object® (SIO) is secured with a wrapper that provides key diversification, authentication signatures and AES-128 based encryption
- For simple migration purposes - Seos essential credentials are also available as multi-technology cards (PN:551PPGGANA) that combine 125kHz proximity and a high frequency Seos contact microprocessor

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	MOBILE ACCESS LICENCES			
	HID	**MID-SUB-T100**	**0895650**	1 Year user licence, HID Origo mobile identities
	HID	**MID-SUB-T100-ADD**	**0895660**	Add-on user licence, HID Origo mobile identities
	ICLASS SEOS CARDS			
C	HID	**550PGGAN**	**0864350**	Seos Essential card, programmed
D	HID	**5006PGGMN**	**0735820**	iCLASS Seos Contactless Smart card, 8KB memory, composite card body
	HID	**551PPGGANA**	**0864360**	Seos Essential and Prox card, programmed
E	HID	**5266PNNA**	**0641280**	Seos key fob 8K, programmed & number printed, black with HID logo - Signo Readers only
	HID	**5656PMSAV**	**0641290**	Seos clamshell card 8K progammed - Signo Readers only
	ICLASS CARDS			
	HID	**2000HPGGMN**	**0770770**	iCLASS Contactless Smart card, 2KB (256 bytes) with 2 application areas
	MIFARE DESFIRE CARDS			
F	HID	**801FPGGAN**	**0893860**	HID MIFARE DESFire EV3 8K, programmed, iCLASS SE & Signo Readers
	HID	**802FPGGAN**	**0890270**	HID MIFARE DESFire EV3 8K, high security, programmed, Signo Readers
G	HID	**811FPPGGANA**	**0893870**	HID MIFARE DESFire EV3 8K & Prox, programmed for use with SE and Signo Readers

HID SIGNO 40K READER

- Out-of-the-box support for Wiegand and OSDP
- On-board BLE and NFC
- Mobile - ready by default
- Configurable backlit keypad options plus visually impaired mode
- Automatic surface detection for metalised environments
- Energy saving and brute force attack prevention
- Indoor/outdoor mounting - IP65

The Signo 40K is a wall switch mount style reader with capacitive keypad that offers compatibility with both 125kHz, 13.56MHz and mobile technologies supporting HID Seos®, iCLASS SE®, iCLASS®, MIFARE Classic and DESFire EV1, EV2, EV3, Indala, HID Prox, CSN and EM4102. HID Signo™ Readers offer a best in class user experience and unrivalled security.

D 5006PGGMN

- State-of-the-art multi-application smart card
- Open and standards-based solution supports future technologies
- Provides protection against attacks and timely remediation
- Greater return on investment
- Includes a lifetime warranty
- Comprehensive support

G 811FPPGGANA

- HID MIFARE® DESFire® EV3 + Prox card
- For use with HID iCLASS SE, MultiCLASS SE and HID Signo Readers
- 13.56MHz & 125kHz operating frequency
- Backwards compatible with EV1 and EV2 based solutions
- Secure Identity Object™ (SIO®) data model for added key diversification, authentication signatures and encryption

E 5266PNNA

- HID Seos 8K key fob credential
- 13.56MHz operating frequency
- 8KB memory size
- Programmed and number printed
- Black/grey with HID logo
- Moulded housing for maximum protection in harsh environments

F 801FPGGAN

- HID MIFARE® DESFire® EV3 card
- For use with HID iCLASS SE and HID Signo Readers
- 13.56MHz operating frequency
- Backwards compatible with EV1 and EV2 based solutions
- Secure Identity Object™ (SIO®) data model for added key diversification, authentication signatures and encryption

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
HARDWARE			
Hikvision	**DS-K2M061**	**0877330**	Secure Door Control Module
CONTROLLERS			
Hikvision	**DS-K2601T**	**0641300**	1 door Access Controller
Hikvision	**DS-K2602T**	**0641310**	2 door Access Controller
Hikvision	**DS-K2604T**	**0641320**	4 door Access Controller
MIFARE READERS			
Hikvision	**DS-K1108AM**	**0870060**	Pro 1108A Series card Reader, MIFARE card
MIFARE READERS WITH KEYPAD			
Hikvision	**DS-K1104MK**	**0660920**	Vandal-proof flush/wall mount MIFARE card reader with keypad
Hikvision	**DS-K1108AMK**	**0874760**	Pro 1108A Series card Reader, MIFARE card with keypad
MIFARE/DESFIRE READERS			
Hikvision	**DS-K1108ADK**	**0880300**	Pro 1108A Series DESFire card Reader
Hikvision	**DS-K1108AD**	**0886050**	Pro 1108A Series card Reader, DESFire card
MIFARE CARDS			
Hikvision	**DS-K7M102-M**	**0488080**	MIFARE card
DESFIRE CARDS			
Hikvision	**DS-K7M106-D0E**	**0886040**	DESFire card (encrypted)
ACCESSORIES			
Hikvision	**DS-KAB671-S**	**0643860**	Protective shield

SMART CREDENTIALS FOR ACCESS CONTROL

Find out more about smart credentials as an effective long-term solution for your access control system:

- Use existing smart devices to grant access to users
- Reduce risk of compromised security
- Generate operational efficiencies including cost savings & reduced maintenance
- Remove single use plastics from your access control solution

READ ARTICLE:

hubs.la/H0V9jBP0

Experience
The Norbain Advantage

FIELD-BASED AND INTERNAL TEAMS

Assigned to every account, our field-based and internal teams work together to ensure you enjoy the best service. From demonstrations wherever best suits you, to practical daily support, you can rely on us to be there when you need us.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Experience
The Norbain Advantage

Pre-configuration service

- Programming of IP addresses into cameras and servers to make all devices present on the network
- Setting up camera streams for quality and rate in accordance with client requirements
- Configuration of software/NVR to communicate with cameras
- Installation of software onto servers
- Configuration of software/NVR to record streams
- Labelling of all cameras and equipment

Want to find out more about how Norbain can support your business?
Contact us today:

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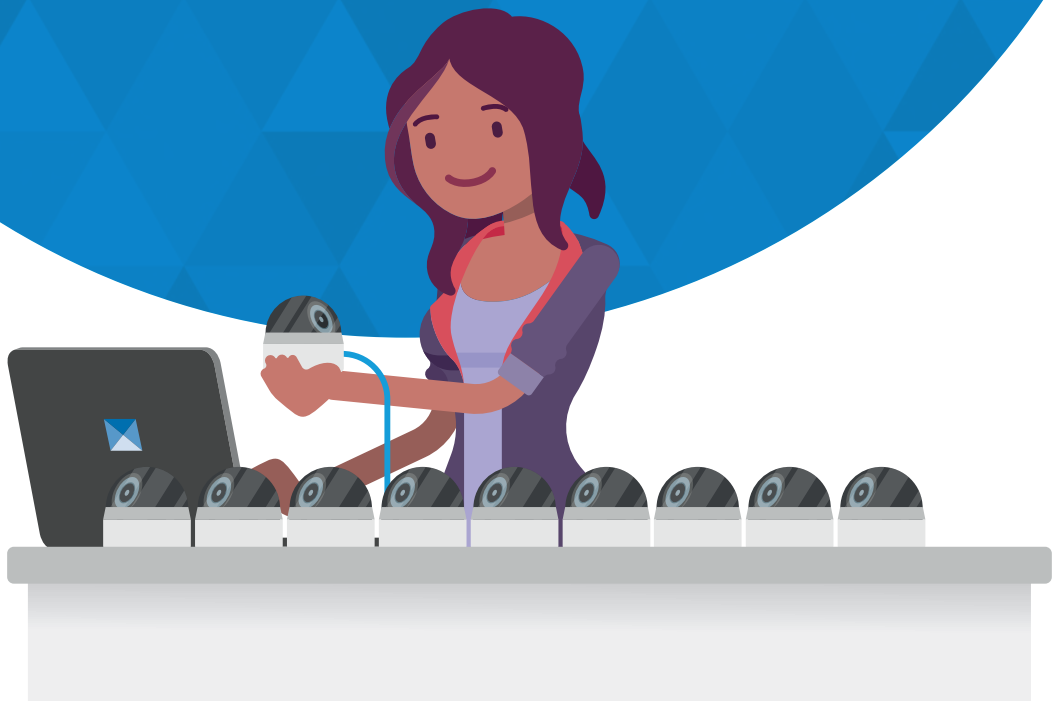


	Manufacturer	Part No.	Quick Ref.	Product Description
SOFTWARE				
	Honeywell	**WPG49**	**0886520**	WIN-PAK 4.9 GALAXY Edition - Software for 15 Galaxy panel, 2 user
	Honeywell	**WPX49**	**0886530**	WIN-PAK 4.9 Express Edition - Software Access Control only, 1 user
	Honeywell	**WPS49G**	**0886540**	WIN-PAK 4.9 Standard Edition - Software AC/video/intrusion - Galaxy, 5 user
	Honeywell	**WPP49G**	**0886550**	WIN-PAK Professional Edition - Software AC/video/intrusion - Galaxy
	Honeywell	**SSAWPG**	**0893770**	WIN-PAK for Galaxy (GX) - Annual Software support
	Honeywell	**SSAWPXE**	**0893780**	WIN-PAK Express (XE) - Annual Software support (SSA to 64 doors)
	Honeywell	**SSAWPSG**	**0888170**	WIN-PAK Standard (SE) - Annual Software support (SSA to 64 doors)
	Honeywell	**SSAWPPG**	**0881870**	WIN-PAK Professional (PE) - Annual Software support (SSA to 64 doors)
	Honeywell	**SSAWPRDR**	**0884340**	WIN-PAK 32 Reader SSA add on 1 year (for XE, SE & PE)
	Honeywell	**CPSSRVDB**	**0881880**	Remote Database Service: 7-10 business days
	Honeywell	**CPSSRVDB2DAY**	**0893790**	Remote Database Service: 2 business days
CONTROLLERS				
A	Honeywell	**PRO42IC**	**0869060**	PRO4200 Series controller 16 downstream boards & 2 reader ports
	Honeywell	**MPA1P**	**0861980**	MaxPro Access single door controller. OSDP, PoE powered (not supported in WINPAK)
B	Honeywell	**MPA1002E-MPS**	**0806850**	MaxPro Access 2 door controller (OSDP or Wiegand)
	Honeywell	**MPA1004E-MPS**	**0878460**	MaxPro Access - 4 door licenced kit metal enclosure
INPUT/OUTPUT MODULES				
	Honeywell	**PRO42IN**	**0878420**	PRO4200 Series Input board
	Honeywell	**PRO42OUT**	**0878430**	PRO4200 Series Output board
	Honeywell	**PRO42R2**	**0873940**	PRO4200 Series 2 reader board supports OSDP & Wiegand
	Honeywell	**PRO22DCC**	**0495060**	PRO4200 Daisy chain RS-485 communication and power between 9 boards
	Honeywell	**PROE1PSCBL**	**0495030**	PRO4200 Series mains cable assembly
HARDWARE				
	Honeywell	**PW5K1ENC3E**	**0878470**	PRO4200 Series Remote enclosure
	Honeywell	**PW5K2ENC1E**	**0873810**	PRO4200 Series high density enclosure (PSU & battery not included)
	Honeywell	**PW5K2ENC2E**	**0878480**	PRO4200 Series high density 19" rack enclosure (PSU & battery not included)
MIFARE/DESFIRE READERS				
	Honeywell	**LU4500BHONA**	**0468400**	LuminAXS MIFARE DESFire EV2 Wiegand reader 0 button with LED ring
	Honeywell	**LU4502BHONA**	**0878440**	LuminAXS MIFARE DESFire EV2 Wiegand reader 2 button with LED ring
	Honeywell	**LU4516BHONA**	**0468410**	LuminAXS MIFARE DESFire EV2 Wiegand reader 16 button with LED ring
	Honeywell	**LU45BHONA**	**0650870**	LuminAXS MIFARE DESFire EV2 Wiegand reader 0 button no LED ring
	Honeywell	**LU4700BHONA**	**0878490**	LuminAXS OSDP DESFire EV2 OSDP reader 0 button with LED ring
	Honeywell	**LU4716BHONA**	**0878500**	LuminAXS OSDP DESFire EV2 OSDP reader 16 button with LED ring
	Honeywell	**HONARC1**	**0893700**	ARC1S/BT - OSDP mullion Reader with Bluetooth
	Honeywell	**HONARCA**	**0893710**	ARCS-A/BT - OSDP Reader with Bluetooth
	Honeywell	**HONARCB**	**0893720**	ARCS-B/BT - OSDP Reader with keypad & Bluetooth
	Honeywell	**HONARCPROXMOD**	**0893730**	125kHz Multi-technology module for HONARCA & HONARCB
C	Honeywell	**OS20TOSDP**	**0893740**	OmniSmart 20, mobile ready with HID Origo, terminal, standard profile, OSDP
D	Honeywell	**OS40TOSDP**	**0893750**	OmniSmart 40, mobile ready with HID Origo, terminal, standard profile, OSDP
E	Honeywell	**OS40KTOSDP**	**0893760**	OmniSmart 40 keypad, mobile ready with HID Origo, terminal, standard profile, OSDP
MIFARE/DESFIRE CARDS & FOBS				
	Honeywell	**ODPEV28N38**	**0650910**	DESFire EV2 10-card pack, gloss white, MOQ 100x
	Honeywell	**ODKEV28N38**	**0650920**	DESFire EV2 10-fob pack, black ABS, Honeywell logo MOQ 50x
ACCESSORIES				
	Honeywell	**MPA2RJ**	**0806880**	RJ45 to 8 screw terminal block
	Honeywell	**LU45USBCONF**	**0650900**	LuminAXS Configuration tool USB

Honeywell

C OS20TOSDP

- Leveraging the power of the HID Origo® ecosystem
- Go mobile with native Bluetooth and NFC support
- Integrated 125kHz credential read support for easy migration
- Flush mount terminal block and pigtail wiring option
- Mullion mount design
- No keypad version

Honeywell

D OS40TOSDP

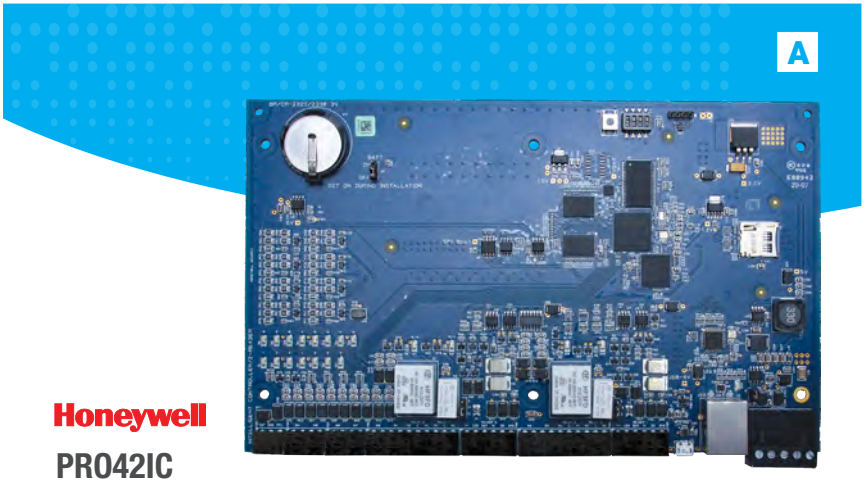
- Leveraging the power of the HID Origo® ecosystem
- Go mobile with native Bluetooth and NFC support
- Integrated 125kHz credential read support for easy migration
- Flush mount terminal block and pigtail wiring option
- Suited to mount and cover single gang switch boxes
- No keypad version

Honeywell

E OS40KTOSDP

- Leveraging the power of the HID Origo® ecosystem
- Go mobile with native Bluetooth and NFC support
- Integrated 125kHz credential read support for easy migration
- Flush mount terminal block and pigtail wiring option
- Suited to mount and cover single gang switch boxes
- 12 button version

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

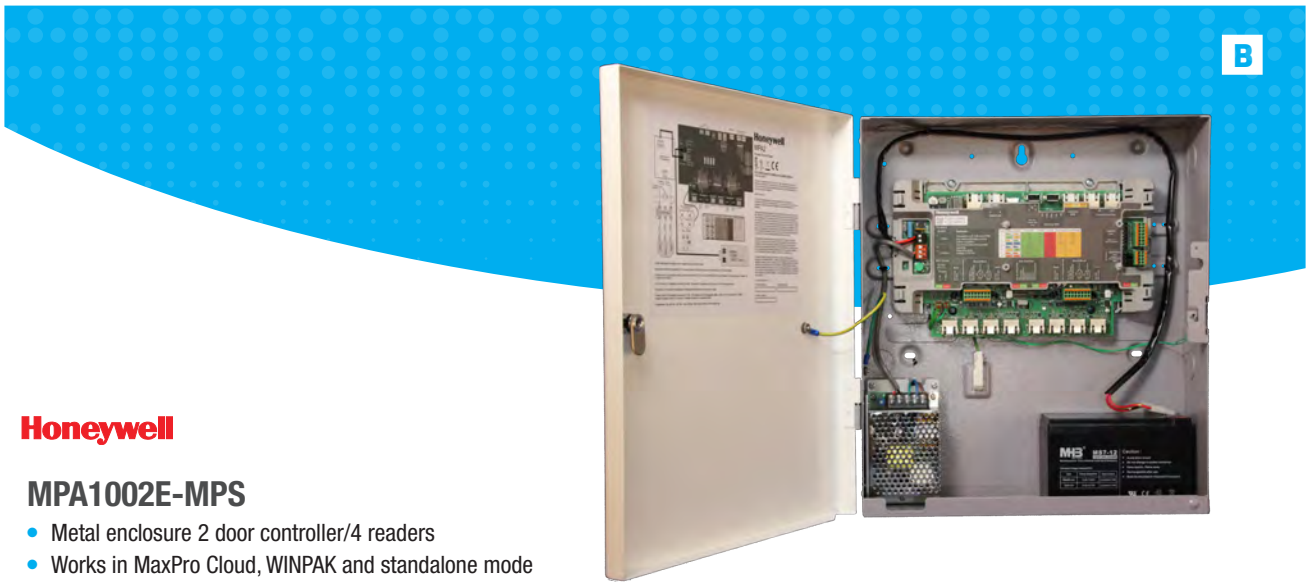


Honeywell

PRO42IC

- Intelligent controller supporting 16 downstream boards
- Can work in legacy mode to support PRO32ICs
- User-programmable relay outputs for specific control needs
- Supports both Wiegand and OSDP readers
- Multiple enclosure options (wall, rack, small format)
- Supports Anti-Pass back

The PRO4200 professional series family of Access Control modules is designed for high density installations. The PRO4200 professional series can be managed through WIN-PAK integrated security suite for more advanced features such as video integration, advance reporting, rules and photo badging, elevator control touchless access and mobile credential management.



Honeywell

MPA1002E-MPS

- Metal enclosure 2 door controller/4 readers
- Works in MaxPro Cloud, WINPAK and standalone mode
- Supports Wiegand and OSDP readers
- 1.25Amp per door for locks/strikes
- MPA can be set as primary panel on NETAXS loop
- 256-bit AES encrypted communication

MPA2 enables users to securely manage their system anywhere there's an Ethernet connection with no dedicated PC or software costs. The user-friendly design (push-in connectors and RJ45 'Click 'n Done' approach) makes it simple to install and easy to operate and maintain.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	NORPASS ACCESS CONTROL SOFTWARE			
A	Nortech	**NORPASS3**	**0804800**	Windows based access control software. Master workstation for up to 64 controllers with web server for additional workstations. Network communications via TCP or RS485 (requires USB/RS485 converter)
	NORPASS NETWORKED ACCESS CONTROLLERS			
B	Nortech	**CRC200+**	**0811100**	2 door, 2 reader access controller for up to 65,000 sequential cards or 8000 random cards. Standalone or online with NORPASS3
	Nortech	**CRC220-48-ENC-2**	**0804820**	2 door read in/free exit RS485 access controller with 3A 12V PSU in plastic enclosure
	Nortech	**CRC220-48-ENC-4**	**0804830**	4 door read in/free exit RS485 access controller with 3A 12V PSU in plastic enclosure
C	Nortech	**CRC221-48-ENC-1**	**0804840**	1 door read in/read out RS485 access controller with 3A 12V PSU in plastic enclosure
	Nortech	**CRC221-48-ENC-2**	**0804850**	2 door read in/read out RS485 access controller with 3A 12V PSU in plastic enclosure
	Nortech	**TCP/IP-220**	**0804860**	Upgrade TCP/IP interface module for fitting to CRC220 or CRC221. Allows up to 32 controllers to be linked over an RS485 network to be controlled via a TCP/IP port

NORTECH

A NORPASS3

- Access Control management software
- Built-in installation wizard reduces installation time
- Intuitive card holder enrolment
- Automatic counting of key personnel in controlled areas increases safety and security
- Access rights management can be matched to organisational needs
- Comprehensive reporting features and enforcement of limited usage of controlled areas

NORTECH

B CRC200+

- Compact design for small spaces
- Can be configured for one or two doors
- Capacity to handle up to 65,000 cards with a wide range of access rights
- Block validation and voiding for quick and easy card management
- Fast and simple card verification
- Can be used with a card capture reader

NORTECH

C CRC221-48-ENC-1

- 1 door controller
- Read in/out
- RS485
- 3A 12V PSU
- Plastic enclosure

NORBAIN BASICS – ACCESS CONTROL

Our 'Types of Access Control' video walks you through the features and benefits of each different level you can install – Stand Alone, PC based or Door Entry.

Watch the video to find out what factors you should consider when deciding which to connect and which system is most commonly used in different scenarios.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	NORPASS OFFICE ADMIN & PC INTERFACE KITS			
	Nortech	**DT1-EM1-0000**	**0805050**	Compact USB desktop enrolment reader. Reads 125kHz EM variants and derivatives
	Nortech	**DT1-ISO-0000**	**0805060**	Compact USB desktop enrolment reader. Reads serial number of 13.56MHz technology cards and fobs
	CARD READERS - 13.56MHZ TECHNOLOGY			
D	Nortech	**MP1-ISO-0000**	**0804870**	Mullion style multi-ISO reader with 500mm pigtail. Reads serial numbers of 13.56MHz smart cards
	Nortech	**MP1-ISO-1000**	**0484560**	Mullion style multi-ISO reader with terminal block. Reads serial numbers of 13.56MHz smart cards
	Nortech	**WP1-ISO-0000**	**0804900**	Wall switch style multi-ISO reader with 500mm pigtail. Reads serial numbers of 13.56MHz smart cards
	Nortech	**MP1-SPACER**	**0804890**	8mm stand-off spacer for mullion reader to improve read range when mounted on metal
	PROXIMITY CARD READERS - 125KHZ TECHNOLOGY			
	Nortech	**MP1-EM1-0000**	**0804920**	Mullion style 125kHz EM reader with 500mm pigtail
	Nortech	**MP1-EM1-1000**	**0804930**	Mullion style 125kHz EM reader with terminal block
	Nortech	**WP1-EM1-0000**	**0804940**	Wall switch style 125kHz EM reader with 500mm pigtail
	Nortech	**WP1-EM1-1000**	**0804950**	Wall switch style 125kHz EM reader with terminal block
	Nortech	**WP2-EM1-0000**	**0804960**	Flush mount wall switch 125kHz EM reader with 500mm pigtail
	Nortech	**PP1-EM1-0000**	**0804970**	Panel mount 125kHz EM reader with 500mm pigtail
	Nortech	**VP1-EM1-0000**	**0804980**	Vandal-resistant 125kHz EM reader with 500mm pigtail
	NORTECH ACCESS CONTROL CREDENTIALS			
	Nortech	**NP-CARD-PK-00**	**0804990**	Proximity cards, programmed random numbers. Blank both sides and suitable for dye-sublimation printing. Pack of 10
	Nortech	**NP-FOB-PK-00**	**0805000**	Proximity fobs, programmed random numbers. Pack of 10
	Nortech	**MIF-CARD-PK-00**	**0805010**	MIFARE 1K contactless cards. Blank both sides and suitable for dye-sublimation printing. Pack of 10
	Nortech	**MIF-FOB-PK-00**	**0805020**	MIFARE 1K key fob unprogrammed. Pack of 10
	MOTORISED CARD CAPTURE READERS			
E	Nortech	**MRC350-XXX**	**0805160**	Motorised card capture reader supports most technologies with transparent forwarding of card data to the controller. Customer's reader must be supplied to enable factory integration. For use with ISO cards only
	Nortech	**MRC350-GEN-T**	**0805170**	Motorised card capture reader. Designed to allow an integrator to fit a third party proximity or smart card reader

D MP1-ISO-0000

- Mullion mount reader
- Supports a range of data output formats
- Cable pigtail or terminal connectors
- Low profile mullion mount housing
- Rugged IP65
- Support Legic Advant

E MRC350-XXX

- Reads any ISO proximity or smart cards
- Supports integrated third party readers
- Captures or returns cards after reading
- Robust and compact
- Customer's reader must be supplied
- Drives LED at user interface indicating card validity

POCKET-SIZE BUZZ – CYBER SECURITY

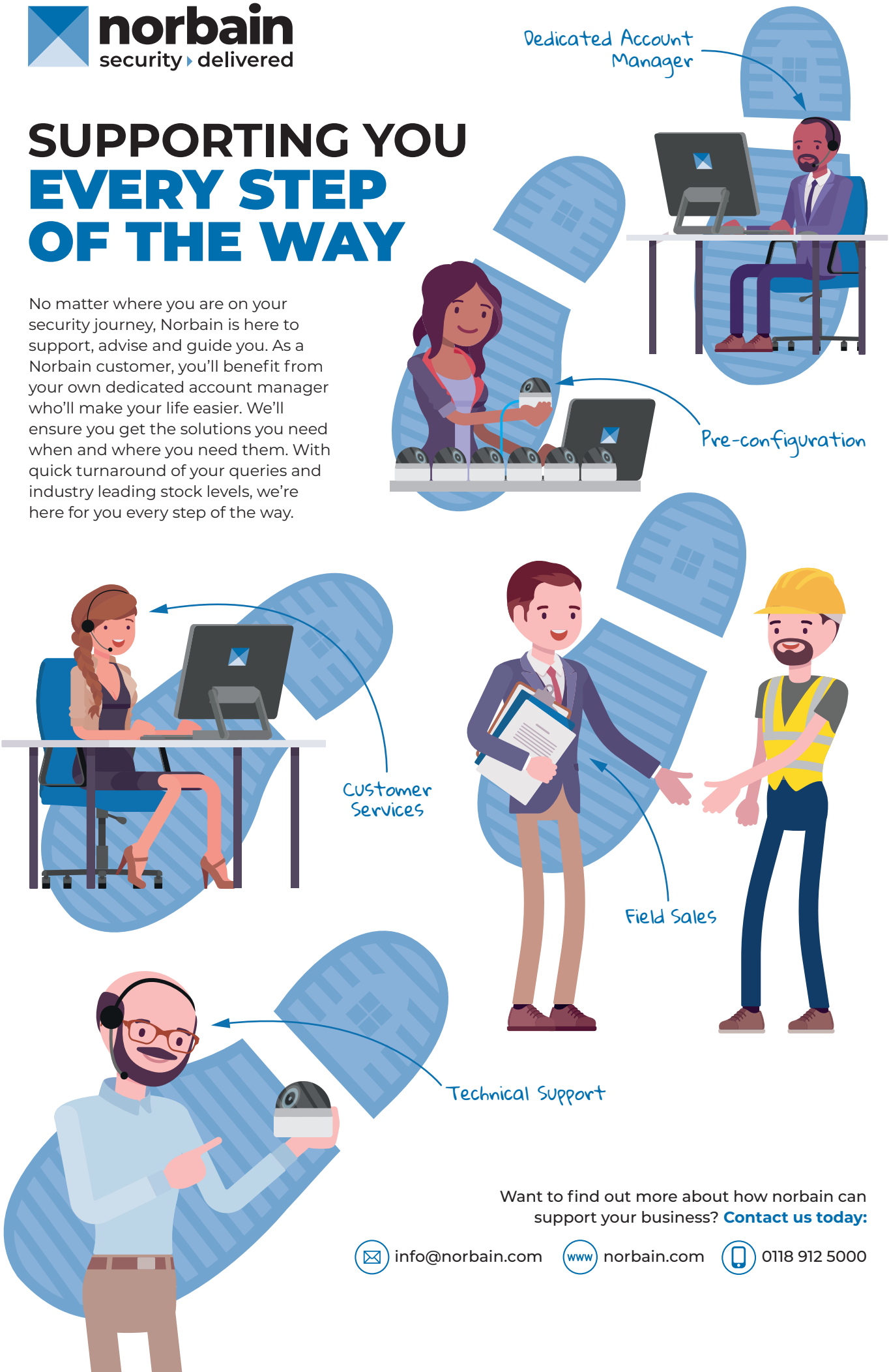
Cyber security still continues to be a threat within the security industry as well as in everyday life. Find out about the risks, the common mistakes made and what we all need to do to protect the systems that are installed.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

norbain
security delivered

SUPPORTING YOU EVERY STEP OF THE WAY

No matter where you are on your security journey, Norbain is here to support, advise and guide you. As a Norbain customer, you'll benefit from your own dedicated account manager who'll make your life easier. We'll ensure you get the solutions you need when and where you need them. With quick turnaround of your queries and industry leading stock levels, we're here for you every step of the way.



Want to find out more about how norbain can support your business? **Contact us today:**

info@norbain.com norbain.com 0118 912 5000

Manufacturer	Part No.	Quick Ref.	Product Description
INDUCTIVE LOOP SINGLE CHANNEL			
Nortech	**PD132**	**0805070**	Standard single channel boxed vehicle detector. Power requirement 230VAC
Nortech	**PD134**	**0805080**	Standard single channel boxed vehicle detector. Power requirement 12-24VAC/DC
INDUCTIVE LOOP DETECTORS DUAL CHANNEL			
Nortech	**PD232**	**0805090**	Standard dual channel boxed vehicle detector. Power requirement 230VAC
Nortech	**PD234**	**0805100**	Standard dual channel boxed vehicle detector. Power requirement 12-24VAC/DC
INDUCTIVE LOOP DETECTOR 11 PIN RELAY BASE			
Nortech	**RB1**	**0805110**	11 pin relay base for detector
INDUCTIVE LOOP CABLE			
Nortech	**LP100**	**0805120**	Loop cable on drum, 100m
INDUCTIVE LOOP DETECTORS ACCESSORIES			
Nortech	**DU700**	**0579370**	Vehicle detector diagnostic system for smart phones, compatible with PD170, PD270 ranges
STANDALONE CAR PARK COUNTING			
Nortech	**NCT100**	**0805180**	Standalone 4 channel counter with VMS control bus. Capable of driving up to 4 individually addressable VMS
CAR PARK COUNTING SOFTWARE			
Nortech	**NORPARC**	**0805210**	Car park counting software includes count server and client front end packages. Requires additional counter licence. USB-485 converter is included in the package
Nortech	**NP-XXX**	**0805220**	NorParc counter licence. One is required per physical count (1, 2, 4 per NCT200 depending on configuration)
ONLINE COUNTING SYSTEM COMPONENTS			
Nortech	**NCT200-48-ENC**	**0805230**	4 Channel counter with VMS control bus and PC communications bus. Can work standalone or as part of a networked system using NorParc software. Capable of driving up to 8 addressable VMS, with PSU and enclosure
Nortech	**NCT200-TCP-ENC**	**0805240**	5 Channel counter with VMS control bus and TCP/IP PC communication bus. Can work standalone or as part of a networked system using NorParc software. Capable of driving up to 8 addressable VMS, with PSU and enclosure
Nortech	**VMS-RGB-10A-STD**	**0821830**	High intensity RGB LED sign with 10cm high characters, capable of displaying count values and guidance messages
Nortech	**VMS-RGB-10A-T1**	**0673750**	Multi-level sign housing with one high intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting
Nortech	**VMS-RGB-10A-T2**	**0575770**	Multi-level sign housing with two high intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting
Nortech	**VMS-RGB-10A-T3**	**0575780**	Multi-level sign housing with three high intensity RGB LED sign with 10cm high characters. Fitted with rear mounting strips for post mounting
Nortech	**CPC202**	**0821720**	Standalone shared occupancy controller for up to 2 groups
Nortech	**CPC204**	**0821730**	Standalone shared occupancy controller for up to 4 groups

Experience
The Norbain Advantage

NEXT DAY AND TIMED DELIVERIES ON ALL ORDERS RECEIVED BEFORE 6PM

Don't let a project be held up by those last minute requirements. We can guarantee you will receive the products you need, when and where you need them.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	SOFTWARE			
	PAC	**13490/1.00**	**0641330**	Access Central SE Edition software
A	PAC	**13491/1.00**	**0641340**	Access Central Professional Edition software
	PAC	**40402**	**0790700**	PC pre-loaded with Access Central software comes with PAC GS3-MT Admin Reader
	PAC	**13492/1.00**	**0881190**	PAC 212 Support Feature PAC
	PAC	**13493/1.00**	**0881200**	Browser Interface Feature pack
	PAC	**13494/1.00**	**0881210**	Active Directory Feature pack
	PAC	**13495/1.00**	**0881220**	Token Format Feature pack
	COMMUNICATION DEVICES & DESKTOP READERS			
	PAC	**909020115**	**0690700**	PAC OneProx GS3 MT Administration kit
	PAC	**7255497**	**0641350**	Ultimate USB Desktop Reader
	PAC	**7255498**	**0641360**	Micro USB Desktop Reader
	CABINETS & ACCESSORIES			
	PAC	**10031**	**0243900**	Four way lockable DIN rail enclosure
	PAC	**10032**	**0243910**	Six way lockable DIN rail enclosure
	CONTROLLERS			
	PAC	**909030055**	**0641420**	PAC 512 DC Access Controller - DIN mount
	PAC	**909030054**	**0641410**	Boxed PAC 512 DC Access Controller with 3Amp PSU
	PAC	**909030155**	**0641440**	PAC 512 DCi Access Controller - DIN mount
	PAC	**909030154**	**0641430**	Boxed PAC 512 DCi Access Controller with 3Amp PSU
	PAC	**909020050**	**0243760**	PAC 530 Output Controller in a metal case - no PSU
	PAC	**909020052**	**0243770**	PAC 530 Output Controller - DIN mount
	PAC	**909020051**	**0243740**	PAC 520 Input Controller in a metal case - no PSU
	PAC	**909020053**	**0243750**	PAC 520 Input Controller - DIN mount
	LF PROXIMITY READERS			
	PAC	**909020110**	**0690630**	PAC OneProx™ GS3 LF Mullion Reader
	PAC	**909020111**	**0690640**	PAC OneProx™ GS3 LF Standard Reader
	PAC	**909020116**	**0690690**	PAC OneProx™ GS3 LF Vandal Reader - black and white
	PAC	**909020117**	**0690680**	PAC OneProx™ GS3 LF Panel Reader - black and white
	PAC	**909022116**	**0736680**	PAC OneProx™ GS3 LF Vandal Reader - blue and grey
	PAC	**909022117**	**0712360**	PAC OneProx™ GS3 LF Panel Reader - blue and grey

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
LF PROXIMITY CARDS & FOBS			
PAC	**909021039**	**0024890**	PAC ISO Proximity card, pack of 10
PAC	**21030**	**0025570**	KeyPAC ISO Proximity card, single
PAC	**909021020**	**0017250**	PAC token with clip, single - black
PAC	**20250**	**0026380**	KeyPAC token, single - black
ACCESSORIES			
PAC	**909032059**	**0641450**	DIN rail power supply with battery charger - output 12VDC at 50W
PAC	**909032059/1.00**	**0641460**	DIN rail power supply with battery charger - output 24VDC at 50W
PAC	**909022008**	**0615690**	DIN rail PSU with battery charger - output 12/24VDC at up to 7.2Amps
MT PROXIMITY READERS WITH KEYPAD			
PAC	**909020112**	**0690650**	PAC OneProx™ GS3 MT Mullion
PAC	**909020113**	**0690660**	PAC OneProx™ GS3 MT Standard
PAC	**909020114**	**0690670**	PAC OneProx™ GS3 MT PIN & Prox
HF MIFARE/DESFIRE READERS			
PAC	**909020120**	**0756540**	PAC OneProx™ GS3 HF Mullion Reader
PAC	**909020121**	**0756550**	PAC OneProx™ GS3 HF Standard Reader
PAC	**909020118**	**0727850**	PAC OneProx™ GS3 HF Vandal Reader - black and white
PAC	**909020119**	**0749390**	PAC OneProx™ GS3 HF Panel Reader - black and white
PAC	**909020122**	**0756590**	PAC OneProx™ GS3 HF PIN & Prox Reader
PAC	**909020124**	**0790710**	PAC OneProx™ GS3 HF Back Box Reader
PAC	**909022118**	**0756560**	PAC OneProx™ GS3 HF Vandal Reader - blue and grey
PAC	**909022119**	**0756580**	PAC OneProx™ GS3 HF Panel Reader - blue and grey
HF MIFARE/DESFIRE CARDS & FOBS			
PAC	**909021105**	**0711510**	PAC Ops™ Lite 1K MIFARE card, pack of 10
PAC	**909021104**	**0736670**	PAC Ops™ Lite 1K MIFARE token with clip, pack of 10 - blue
PAC	**909021106**	**0736650**	PAC Ops™ 4K MIFARE DESFire EV1 card, pack of 10
PAC	**909021103**	**0736660**	PAC Ops™ 4K MIFARE DESFire EV1 token with clip, pack of 10 - grey
ARCHITECT READER RANGE - BLUETOOTH/NFC/HF			
PAC	**7257711**	**0641480**	Architect One Blue - RFID & Bluetooth Mullion Reader
PAC	**7257713**	**0641500**	Architect A Blue - RFID & Bluetooth Standard Reader
ARCHITECT READER RANGE - HF			
PAC	**7257710**	**0641470**	Architect One - RFID Mullion Reader
PAC	**7257712**	**0641490**	Architect A - RFID Standard Reader
ARCHITECT READER RANGE MOBILE ID			
PAC	**7257718**	**0641510**	Blue Secure Mobile ID Device
BIOMETRIC READERS			
PAC	**7256412**	**0641520**	Ultimate Rev 4 Biometric Reader and Control Board 10K
PAC	**7256413**	**0641530**	Ultimate Rev 4 Biometric Reader and Control Board 50K
PAC	**7256414**	**0641540**	Micro Rev 4 Biometric Reader and Control Board 10K
PAC	**7256415**	**0641550**	Micro Rev 4 Biometric Reader and Control Board 50K
PAC	**7255493**	**0893680**	Ultimate Rev 4 Biometric Reader
PAC	**7255495**	**0808430**	Micro Rev 4 Biometric reader

PAC ACCESS CENTRAL

A

13491/1.00

- Global Policy setting and keyholder management with automated back-up capability built-in
- Remote Monitoring and Management Control Centre application for live and secure remote monitoring
- Increased security and operational efficiency of site management through proactive Event to Action functionality
- In-built valued features such as Guard Tour application, Interactive Map design tool and Smart card design tool
- Programmable notifications using PC pop-up alerts or emails
- Occupancy Management features including Occupancy Tracking, Managed Entrance and Global Anti-Passback. Enhancing the setting and enforcement of people safety policies

Our software integrates seamlessly with the PAC controllers to provide a powerful platform for all your configuration, keyholder management, security policies and system health check monitoring. Designed to support a variety of applications, from small, single block premises to a global network of offices or multi-site residential estates, PAC software extends beyond access control into integrated security solutions with the ability to add a range of additional services (CCTV monitoring, lift call, etc) for seamless integration.

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	Manufacturer	Part No.	Quick Ref.	Product Description
SOFTWARE				
	Paxton	**930-010**	**0152820**	Net2 Pro software
COMMUNICATION DEVICES & DESKTOP READERS				
	Paxton	**514-326**	**0152800**	Net2 desktop reader USB
	Paxton	**455-482**	**0489110**	Net2 USB/RS485 converter kit in plastic housing
	Paxton	**477-600**	**0485130**	Net2Air Bridge
	Paxton	**010-687**	**0678890**	Paxton10 wireless connector
	Paxton	**010-203**	**0679020**	Paxton10 alarm connector
	Paxton	**010-387**	**0679040**	Paxton10 desktop reader
HARDWARE				
	Paxton	**477-222**	**0302230**	Net2 hands free interface
	Paxton	**003-375**	**0679000**	Paxton10 server
CONTROLLERS				
A	Paxton	**682-531**	**0416790**	Net2 plus 1 door controller - 12V 2Amp PSU, plastic cabinet
	Paxton	**682-493**	**0416780**	Net2 plus 1 door controller
	Paxton	**682-528**	**0511490**	Net2 plus 1 door controller - plastic housing
	Paxton	**682-813**	**0416800**	Net2 plus 1 door controller - 12V 2Amp PSU, metal cabinet
	Paxton	**682-284**	**0566990**	Net2 plus 1 door controller - PoE+, plastic cabinet
	Paxton	**682-721**	**0567000**	Net2 plus 1 door controller - PoE+, metal cabinet
	Paxton	**010-751**	**0679090**	Paxton10 door controller - 12V 2Amp PSU
	Paxton	**010-052**	**0679100**	Paxton10 door controller - PoE
	Paxton	**010-403**	**0679110**	Paxton10 door controller - PCB
	Paxton	**010-187**	**0679120**	Paxton10 video controller - 12V 2Amp PSU
	Paxton	**010-907**	**0679130**	Paxton10 video controller - PoE
INPUT/OUTPUT MODULES				
	Paxton	**385-710**	**0269560**	Net2 I/O board in plastic housing
	Paxton	**411-623**	**0488680**	Net2 I/O board with 12V 2Amp PSU in plastic cabinet
	Paxton	**489-710**	**0269550**	Net2 I/O board
PROXIMITY READERS				
	Paxton	**333-110**	**0209380**	Proximity P38 reader
	Paxton	**353-110**	**0187930**	Proximity P50 reader
	Paxton	**373-110**	**0209390**	Proximity P75 reader
	Paxton	**373-120**	**0351810**	Proximity P75 reader with screw connector
	Paxton	**390-727**	**0502660**	Proximity metal reader, chrome
	Paxton	**390-747**	**0162550**	Proximity metal reader, satin chrome
	Paxton	**500-010**	**0375250**	Proximity marine reader
	Paxton	**370-225BL**	**0131050**	Proximity backbox reader, black
	Paxton	**370-225WT**	**0131040**	Proximity backbox reader, white
	Paxton	**390-135**	**0131030**	Proximity panel mount reader
	Paxton	**313-110**	**0410650**	Proximity long range reader
	Paxton	**323-110**	**0302220**	Proximity P200 reader
	Paxton	**010-296**	**0679030**	Paxton10 slimline reader
	Paxton	**010-254**	**0678880**	Paxton10 vandal resistant reader
PROXIMITY READERS WITH KEYPAD				
	Paxton	**355-110**	**0209400**	Proximity KP50 keypad & reader
	Paxton	**375-110**	**0209410**	Proximity KP75 keypad & reader
	Paxton	**375-120**	**0351830**	Proximity KP75 keypad & reader with screw connector
	Paxton	**010-824**	**0679050**	Paxton10 reader keypad
KEYPADS				
	Paxton	**351-110**	**0209430**	TOUCHLOCK K50 keypad
	Paxton	**352-110**	**0209460**	TOUCHLOCK K50 stainless steel keypad
	Paxton	**521-715**	**0439520**	TOUCHLOCK Vandal resistant metal keypad

Paxton

A 682-531

- Single door networkable access control unit
- Plug into a TCP/IP network using a RJ45 plug
- Features a built-in TCP/IP converter
- Different control units can be mixed on a site
- FLASH memory allows easy upgrades
- Use Paxton or 3rd party readers

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	Manufacturer	Part No.	Quick Ref.	Product Description
	MAGSTRIPE READERS			
	Paxton	**409-711SC**	**0057910**	CARDLOCK reader, satin chrome
	MIFARE/DESFIRE READERS			
	Paxton	**353-467**	**0515500**	Net2 Proximity P50 MIFARE® reader
	Paxton	**375-130**	**0743010**	Proximity metal keypad, MIFARE® - KP75
	Paxton	**371-125**	**0568950**	Proximity backbox MIFARE® reader
	READER ACCESSORIES			
	Paxton	**010-552**	**0678990**	Paxton10 reader converter
	WIRELESS LOCKS			
	Paxton	**900-600BL**	**0893800**	PaxLock Pro - Euro, internal, black
	Paxton	**900-600WT**	**0893810**	PaxLock Pro - Euro, internal, white
	Paxton	**900-610BL**	**0893820**	PaxLock Pro - Euro, external, black
	Paxton	**900-610WT**	**0893830**	PaxLock Pro - Euro, external, white
	WIRELESS LOCK ACCESSORIES			
	Paxton	**901-015**	**0660540**	PaxLock Pro - Euro, EN179 kit
	Paxton	**900-051**	**0754020**	PaxLock Pro - Euro blank cover plate kit
	Paxton	**900-053**	**0754030**	PaxLock Pro - Euro profile cover plate kit, 70-72mm
	Paxton	**900-054**	**0754110**	PaxLock Pro - Euro profile cover plate kit, 90-92mm
	Paxton	**900-059**	**0754180**	PaxLock Pro - 50-54mm door kit
	Paxton	**900-060**	**0754190**	PaxLock Pro - 57-62mm door kit
	Paxton	**900-070**	**0754200**	PaxLock Pro - 7mm spindle kit
	Paxton	**900-071**	**0754220**	PaxLock Pro - 9mm spindle kit
	Paxton	**901-016**	**0677660**	PaxLock Pro - 8mm split spindle
	Paxton	**900-690**	**0899720**	PaxLock Pro - Demonstration kit, Euro, white
	Paxton	**900-080**	**0667560**	PaxLock Pro - Euro DIN18251 door installation jig
	PROXIMITY CARDS & FOBS			
	Paxton	**692-448**	**0062580**	Net2 proximity ISO card, pack of 10
	Paxton	**692-500**	**0175450**	Net2 ISO proximity card, no magstripe, pack of 10
	Paxton	**692-052**	**0557110**	Net2 ISO proximity card, no magstripe, pack of 500
	Paxton	**693-112**	**0062550**	Net2 proximity clamshell card, pack of 10
	Paxton	**695-644**	**0062570**	Net2 proximity keyfob, box of 10
	Paxton	**690-222**	**0302240**	Net2 hands free keyfob
	Paxton	**690-333**	**0351450**	Net2 hands free keycard
	Paxton	**660-100**	**0351840**	Net2 proximity self-adhesive disc, box of 10
	Paxton	**010-170**	**0679010**	Paxton10 keyfobs - pack of 10
	Paxton	**010-427**	**0679060**	Paxton10 cards - pack of 10
	Paxton	**010-690**	**0633190**	Paxton10 Bluetooth hands free keyfob
	ACCESSORIES			
	Paxton	**166-110**	**0897330**	Reader cable - Halogen free 10 Core - 100m
	Paxton	**998-241**	**0151430**	1Amp 12VDC power supply unit in plastic housing
	Paxton	**857-090**	**0623690**	2Amp 12VDC power supply unit
	Paxton	**857-250**	**0369200**	2Amp 12VDC power supply unit in a plastic cabinet
	POWER SUPPLIES			
B	Elmdene	**ACCESS-PSU2-8A**	**0207560**	13.8VDC 8A Access Control PSU with battery back-up and mounting positions for common controllers such as Paxton's Net2

B ACCESS-PSU2-8A

- Backed by a Lifetime Warranty
- Compatible with most common door controllers
- Accommodates up to 4x door controllers in one enclosure
- 12VDC 8A or 24VDC 4A selectable output setting
- Mains fail fault output
- Battery and fault monitoring options

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
SOFTWARE			
TDSi	**4420-3000**	**0575000**	GARDiS Express Software
TDSi	**4420-3001**	**0877980**	GARDiS PRO Software
TDSi	**4420-3002**	**0877990**	GARDiS Express Upgrade
TDSi	**4420-3003**	**0878000**	Add 1 Door to GARDiS Software
TDSi	**4420-3004**	**0878010**	Add 2 Doors to GARDiS Software
TDSi	**4420-3006**	**0878020**	Add 10 Doors to GARDiS Software
TDSi	**4420-3007**	**0878030**	Add 20 Doors to GARDiS Software
TDSi	**4420-3008**	**0878040**	Add 50 Doors to GARDiS Software
TDSi	**4420-3009**	**0878050**	Add 1 Site Licence to GARDiS Software
TDSi	**4420-3010**	**0878060**	Add 1 Organisation Licence to GARDiS Software
TDSi	**4420-3020**	**0878070**	GARDiS Software Site Lockdown Licence
TDSi	**4420-3025**	**0878080**	GARDiS Software Fire Door Release Licence
TDSi	**4420-3026**	**0878330**	GARDiS Software ANPR Licence
TDSi	**4420-3027**	**0878340**	GARDiS Software Lift Control Licence
TDSi	**4420-3028**	**0878350**	GARDiS Software Area Occupancy Licence
TDSi	**4420-3040**	**0878090**	GARDiS Software Assa Abloy Aperio Wireless Lock Licence
TDSi	**4420-3045**	**0878100**	GARDiS Software SimonsVoss Smart Intego Wireless Lock Licence
TDSi	**4420-3049**	**0878110**	GARDiS Software IP Lock Device Licence
COMMUNICATION DEVICES & DESKTOP READERS			
TDSi	**5002-0449**	**0604880**	MIFARE® and Proximity Desktop USB Enrolment Reader
WEB EMBEDDED CONTROLLERS			
TDSi	**5002-6001**	**0683920**	GARDiS 1 - 1 Door Access Controller
TDSi	**5002-6002**	**0683930**	GARDiS 2 - 2 Door Access Controller
TDSi	**5002-6004**	**0683940**	GARDiS 4 - 4 Door Access Controller
CONTROLLERS			
TDSi	**5002-6005**	**0683950**	GARDiS 4 EXT - 4 Door Extension Module
TDSi	**5002-1807**	**0655200**	MICROgarde II - 2 Door Controller with 5A PSU and TCP/IP
INPUT/OUTPUT MODULES			
TDSi	**5002-6006**	**0683960**	GARDiS I/O EXT - 8 Input/8 Output Extension
TDSi	**5002-1811**	**0250790**	MICROgarde Input/Output Module
GARDIS PROXIMITY READERS			
TDSi	**5002-0600**	**0756800**	GARDiS Proximity Mullion Reader
TDSi	**5002-0602**	**0756810**	GARDiS Proximity Square Reader
TDSi	**5002-0430**	**0304480**	PANELgarde Reader
GARDIS PROXIMITY READERS WITH KEYPAD			
TDSi	**5002-0601**	**0756820**	GARDiS Proximity Mullion Reader with Keypad
TDSi	**5002-0603**	**0756830**	GARDiS Proximity Square Reader with Keypad
GARDIS MIFARE READERS			
TDSi	**5002-0610**	**0756840**	GARDiS MIFARE® CSN Mullion Reader
TDSi	**5002-0611**	**0756850**	GARDiS MIFARE® CSN Mullion Reader with Keypad
TDSi	**5002-0612**	**0756860**	GARDiS MIFARE® CSN Square Reader
TDSi	**5002-0613**	**0756870**	GARDiS MIFARE® CSN Square Reader with Keypad
TDSi	**5002-0618**	**0575830**	GARDiS MIFARE® Panel Mount
GARDIS BLUETOOTH READER			
TDSi	**2920-0560**	**0855340**	GARDiS Bluetooth Low Energy Mullion Reader
TDSi	**2920-0562**	**0878120**	GARDiS Bluetooth Low Energy Square Reader
TDSi	**2920-0570**	**0855350**	GARDiS Virtual Credit for Bluetooth Low Energy Reader
PROXIMITY CARDS & FOBS			
TDSi	**4262-0245**	**0039530**	Proximity Card
TDSi	**4262-0246**	**0039500**	Proximity Keyfob
MIFARE CARDS & FOBS			
TDSi	**2920-3000**	**0309600**	Plain White MIFARE® Card (1K)
TDSi	**2920-3001**	**0334830**	Plain White MIFARE® Card (4K)
ACCESSORIES FOR USE WITH THE GARDIS BLUETOOTH READER			
TDSi	**2920-0586**	**0878130**	GARDiS Reader Programming Kit
WEB BASED ACCESSORIES			
TDSi	**5002-6010**	**0683970**	GARDiS WEB-10 - Physical Dongle for Door Licence
TDSi	**5002-6020**	**0683980**	GARDiS WEB-20 - Physical Dongle for Door Licence
TDSi	**5002-6044**	**0683990**	GARDiS WEB-44 - Physical Dongle for Door Licence
TDSi	**5002-6050**	**0684000**	GARDiS Single Controller Case + 5A PSU
TDSi	**5002-6051**	**0684010**	GARDiS Single Controller Case + PoE
ACCESSORIES			
TDSi	**5002-0491**	**0641610**	GARDiS Reader Mullion Mounting Plate
TDSi	**5002-0492**	**0641620**	GARDiS Reader Square Mounting Plate

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Manufacturer	Part No.	Quick Ref.	Product Description
ICLASS READERS WITH KEYPAD			
Storm	**DS401KT201**	**0757040**	S40 Keypad with HID iClass Seos integrated contactless card reader using genuine HID technology
Storm	**DS402KW201**	**0757050**	S40 Illuminated keypad with HID iClass Seos integrated contactless card reader using genuine HID technology
Storm	**DS601K201**	**0790810**	S60 Mullion keypad with HID iClass Seos contactless card reader. Also reads MIFARE and DESFire cards
Storm	**DS602W201**	**0790820**	S60 Mullion illuminated keypad with HID iClass Seos contactless card reader. Also reads MIFARE and DESFire cards

TECHTALK – INTEGRATION IN SECURITY

Our Tech Talks give you a slightly more in-depth overview of each topic and this one on Integration takes you through the 3 levels of integration along with key questions to ask your customer so you can identify the optimal solution. This will give you a distinct competitive advantage and allow you to add significant value and benefit from more opportunities, so take a look to find out more.

Experience
The Norbain Advantage

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Our technical staff are trained to provide first line support, free of charge, on every product we sell. This provides our customers with the reassurance of expert technical back up from 8.30am to 6.00pm, Monday to Friday.
Call 0844 335 3934.

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The Norbain Advantage

Delivery and collection services from DHL

- Collect orders at a location convenient to you
- Next day and timed deliveries
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	Manufacturer	Part No.	Quick Ref.	Product Description
STANDALONE KEYPADS				
	Paxton	**351-210**	**0209330**	Compact TOUCHLOCK keypad - K50
	Paxton	**352-210**	**0209360**	Compact TOUCHLOCK stainless steel keypad - K50
	Paxton	**371-210**	**0209340**	Compact TOUCHLOCK keypad - K75
	Paxton	**372-210**	**0209370**	Compact TOUCHLOCK stainless steel keypad - K75
	Paxton	**521-836**	**0513080**	Compact vandal resistant metal keypad
	Storm	**DR2KT201**	**0022200**	StrikeMaster 50 code, single door, robust keypad
	Storm	**DEPLXT201**	**0022040**	StrikeMaster vandal resistant keypad, polymer case, metal keys, 1 or 2 door control, IP65
	Storm	**DR2KW201**	**0739430**	StrikeMaster illuminated 50 code, single door, robust keypad
	Storm	**DE1KT101**	**0021860**	StrikeMaster anti-vandal metal keypad, 50 codes, IP65, 1 or 2 door control
	Storm	**DS661K20**	**0877910**	StrikeMaster mullion format keypad, 50 codes, chromed cast metal keytops
	Storm	**DS662W20**	**0877920**	StrikeMaster mullion format keypad, 50 codes, illuminated translucent white polymer keytops
STANDALONE PROXIMITY READERS				
	Paxton	**333-210**	**0209290**	Compact proximity reader - P38
	Paxton	**353-210**	**0209300**	Compact proximity reader - P50
	Paxton	**373-210**	**0209310**	Compact proximity reader - P75
STANDALONE PROXIMITY READERS WITH KEYPAD				
A	SSP	**DG500**	**0522190**	Surface weatherproof standalone keypad, 500 users with proximity reader 12VDC
STANDALONE BATTERY POWERED LOCKS				
	Paxton	**900-600BL**	**0893800**	PaxLock Pro - Euro, internal, black
	Paxton	**900-600WT**	**0893810**	PaxLock Pro - Euro, internal, white
	Paxton	**900-610BL**	**0893820**	PaxLock Pro - Euro, external, black
	Paxton	**900-610WT**	**0893830**	PaxLock Pro - Euro, external, white
STANDALONE KITS				
	Storm	**DXPS1K101**	**0757060**	Enhanced Security StrikeMaster with 2 door controller and power supply
	Storm	**DXPS1W101**	**0757070**	Enhanced Security illuminated StrikeMaster with 2 door controller and power supply
KEYPADS FOR USE WITH STORM STANDALONE CONTROLLER				
	Storm	**DX1KT201**	**0757080**	StrikeMaster ES keypad for second door control, works with ES, 2 door controller
	Storm	**DX2KW201**	**0757090**	Illuminated StrikeMaster ES keypad for second door control, works with ES, 2 door controller

SSP SPECIALIZED SECURITY PRODUCTS

A DG500

- Up to 500 users (uses EM cards & fobs)
- Built-in proximity reader
- 2 programmable relays
- Vandal Resistant
- Supplied with 5x EM-CLAMSHELL cards
- LED status indication

BUILDING A SYSTEM

In order to build a complete system, you will also need products from the following areas.

POWER SUPPLIES P238-241
MAGLOCKS P180-183
EXIT BUTTONS & BREAKGLASS UNITS P184-189
LOCKS P191-192

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
NANOQUEST STANDALONE CARD READER/CONTROLLER				
A	Nortech	**N-QUEST-01**	**0206450**	Standalone proximity card reader/controller with 2 master cards
CARDS & FOBS FOR USE WITH NANOQUEST STANDALONE CONTROLLERS				
	Nortech	**NP-CARD-PK-01**	**0821780**	Pack of 10 proximity cards with shadow cards in a filing wallet including a batch enrolment card and card marker pen
	Nortech	**NP-CARD-PK-02**	**0206460**	Pack of 25 proximity cards with shadow cards in a filing wallet including a batch enrolment card and card marker pen
	Nortech	**NP-CARD-PK-03**	**0821790**	Pack of 40 proximity cards with shadow cards in a filing wallet including a batch enrolment card and card marker pen
	Nortech	**NP-FOB-PK-01**	**0821800**	Pack of 10 proximity fobs with shadow cards in a filing wallet including a batch enrolment card and card marker pen
	Nortech	**NP-FOB-PK-02**	**0206470**	Pack of 25 proximity fobs with shadow cards in a filing wallet including a batch enrolment card and card marker pen
	Nortech	**NP-FOB-PK-03**	**0821810**	Pack of 40 proximity fobs with shadow cards in a filing wallet including a batch enrolment card and card marker pen
PAC STANDALONE CONTROLLERS				
	PAC	**909033075**	**0641380**	Unboxed PAC 212 LF Controller with DIN mount
	PAC	**909033074**	**0641370**	Boxed PAC 212 LF Controller with 3Amp PSU
	PAC	**909033076**	**0884690**	Boxed with cut-out PAC 212 LF Controller
	PAC	**909034075**	**0641400**	Unboxed PAC 212 HF Controller with DIN mount
	PAC	**909034074**	**0641390**	Boxed PAC 212 HF Controller with 3Amp PSU
	PAC	**909034076**	**0893690**	Boxed with cut-out PAC 212 HF Controller
PROXIMITY READERS FOR USE WITH PAC 212 LF STANDALONE CONTROLLERS				
	PAC	**909020110**	**0690630**	PAC OneProx™ GS3 LF Mullion Reader
	PAC	**909020111**	**0690640**	PAC OneProx™ GS3 LF Standard Reader
	PAC	**909020116**	**0690690**	PAC OneProx™ GS3 LF Vandal Reader - black and white
	PAC	**909020117**	**0690680**	PAC OneProx™ GS3 LF Panel Reader - black and white
	PAC	**909022116**	**0736680**	PAC OneProx™ GS3 LF Vandal Reader - blue and grey
	PAC	**909022117**	**0712360**	PAC OneProx™ GS3 LF Panel Reader - blue and grey
PROXIMITY READERS FOR USE WITH PAC 212 HF STANDALONE CONTROLLERS				
	PAC	**909020120**	**0756540**	PAC OneProx™ GS3 HF Mullion Reader
	PAC	**909020121**	**0756550**	PAC OneProx™ GS3 HF Standard Reader
	PAC	**909020118**	**0727850**	PAC OneProx™ GS3 HF Vandal Reader - black and white
	PAC	**909020119**	**0749390**	PAC OneProx™ GS3 HF Panel Reader - black and white
	PAC	**909022118**	**0756560**	PAC OneProx™ GS3 HF Vandal Reader - blue and grey
	PAC	**909022119**	**0756580**	PAC OneProx™ GS3 HF Panel Reader - blue and grey
PROXIMITY READERS WITH KEYPAD FOR USE WITH PAC STANDALONE CONTROLLERS				
	PAC	**909020114**	**0690670**	PAC OneProx™ GS3 MT PIN & Prox Reader
CARDS & TOKENS FOR USE WITH PAC STANDALONE SYSTEM - LF				
	PAC	**909021039**	**0024890**	PAC ISO Proximity card, pack of 10
	PAC	**21030**	**0025570**	KeyPAC ISO Proximity card, single
	PAC	**909021020**	**0017250**	PAC token with clip, single - black
	PAC	**20250**	**0026380**	KeyPAC token, single - black
CARDS & TOKENS FOR USE WITH PAC STANDALONE SYSTEM - HF				
	PAC	**909021105**	**0711510**	Standard MIFARE® (4 Byte none UID) 1K card - pack of 10
	PAC	**909021104**	**0736670**	Standard MIFARE® (4 Byte none UID) 1K token blue - pack of 10
	PAC	**909021106**	**0736650**	Ops MIFARE® DESFire® EV1 4K card - pack of 10
	PAC	**909021103**	**0736660**	Ops MIFARE® DESFire® EV1 4K token grey - pack of 10

A N-QUEST-01

- Secure, single door self-contained access control system
- Door monitoring and alarm output provide additional security
- Compact and easy to install
- Simple single and batch card enrolment
- Can covert to a simple card reader
- Up to 500 unique users

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
PAXTON STANDALONE CONTROLLERS			
Paxton	**405-321**	**0000810**	Switch2 controller
Paxton	**242-166**	**0149450**	Switch2 controller - 12V 1A PSU, plastic housing
KEYPADS FOR USE WITH PAXTON STANDALONE CONTROLLERS			
Paxton	**351-110**	**0209430**	TOUCHLOCK K50 keypad
Paxton	**352-110**	**0209460**	TOUCHLOCK K50 stainless steel keypad
Paxton	**521-715**	**0439520**	TOUCHLOCK Vandal Resistant metal keypad
PROXIMITY READERS FOR USE WITH PAXTON STANDALONE CONTROLLERS			
Paxton	**333-110**	**0209380**	Proximity P38 reader
Paxton	**353-110**	**0187930**	Proximity P50 reader
Paxton	**373-110**	**0209390**	Proximity P75 reader
Paxton	**373-120**	**0351810**	Proximity P75 reader with screw connector
Paxton	**390-727**	**0502660**	Proximity metal reader, chrome
Paxton	**390-747**	**0162550**	Proximity metal reader, satin chrome
Paxton	**500-010**	**0375250**	Proximity marine reader
Paxton	**371-125**	**0568950**	Proximity backbox reader - MIFARE®
Paxton	**370-225BL**	**0131050**	Proximity backbox reader, black
Paxton	**370-225WT**	**0131040**	Proximity backbox reader, white
Paxton	**390-135**	**0131030**	Proximity panel mount reader
Paxton	**313-110**	**0410650**	Proximity long range reader
Paxton	**323-110**	**0302220**	Proximity P200 reader
PROXIMITY READERS WITH KEYPADS FOR USE WITH PAXTON STANDALONE CONTROLLERS			
Paxton	**355-110**	**0209400**	Proximity KP50 keypad & reader
Paxton	**375-110**	**0209410**	Proximity KP75 keypad & reader
Paxton	**375-120**	**0351830**	Proximity KP75 keypad & reader with screw connector
MAGSTRIPE READERS FOR USE WITH PAXTON STANDALONE CONTROLLERS			
Paxton	**409-711SC**	**0057910**	CARDLOCK reader, satin chrome
CARDS & TOKENS			
Paxton	**820-000**	**0152910**	Proximity function card pack
Paxton	**820-010G**	**0152830**	Proximity 10 keyfob pack, green
Paxton	**820-050G**	**0152850**	Proximity 50 keyfob pack, green
Paxton	**830-010G**	**0152870**	Proximity 10 card pack, green
Paxton	**830-050G**	**0152890**	Proximity 50 card pack, green

NORBAIN BASICS – ACCESS CONTROL

Our 'Types of Access Control' video walks you through the features and benefits of each different level you can install – Stand Alone, PC based or Door Entry.

Watch the video to find out what factors you should consider when deciding which to connect and which system is most commonly used in different scenarios.

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Manufacturer	Part No.	Quick Ref.	Product Description
TDSI STANDALONE CONTROLLERS			
TDSi	**5002-4000**	**0490860**	SOLOgarde standalone door controller
TDSi	**5002-4007**	**0624370**	SOLOgarde standalone door controller with backbox
MIFARE READERS FOR USE WITH THE TDSI STANDALONE CONTROLLERS			
TDSi	**5002-4003**	**0490750**	SOLOgarde MIFARE Mullion reader
MIFARE CARDS & FOBS FOR USE WITH THE TDSI STANDALONE SYSTEM			
TDSi	**2920-3020**	**0490840**	SOLOgarde 10 card pack
TDSi	**2920-3022**	**0490780**	SOLOgarde 50 card pack
ACCESSORIES FOR USE WITH THE TDSI STANDALONE SYSTEM			
TDSi	**5002-4001**	**0490760**	SOLOgarde programmer

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
ENROLMENT READERS				
	Hikvision	**DS-K1F100-D8E**	**0818020**	Card Enroller support DESFire
A	Hikvision	**DS-K1F600U-D6E-F**	**0870370**	Fingerprint Face & Card Enrolment Station
FACIAL RECOGNITION READER				
B	Hikvision	**DS-K1T341AM**	**0889900**	Value Series Face Access Terminal
	Hikvision	**DS-K1T671M**	**0682050**	Pro Face Access Terminal
	Hikvision	**DS-K1T680D-E1**	**0861830**	Ultra Series wall-mounted Face Access Terminal

HIKVISION

A DS-K1F600U-D6E-F

- Enrolment Station - 3.97" LCD touch screen
- 2MP wide angle dual-lens
- Deep learning algorithm (verification speed up to 80%)
- TCP/IP/Type C USB interface
- 2,000 user capacity
- Long face recognition distance: 0.3m to 1.5m

HIKVISION

B DS-K1T341AM

- Value series face access terminal
- 4.3" LCD touch screen, 2MP wide angle lens
- Forced mask wearing alert
- Configuration via the web client
- 3,000 face capacity & 3,000 cards
- Two-way audio with client software, indoor and mainstream

NORBAIN PRESENTS: HIKVISION HIKCENTRAL PROFESSIONAL OVERVIEW

Take an up-close look at Hikvision's all-in-one video management platform, HikCentral, and discover the benefits of investing in this flexible, scalable solution.

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	Manufacturer	Part No.	Quick Ref.	Product Description
	SOFTWARE LICENCES			
	Suprema	**BioStar2-BSC**	**0851130**	BioStar 2 Basic edition with software licence (5-20 doors)
	Suprema	**BioStar2-STD**	**0851140**	BioStar 2 Standard edition with software licence (20-50 doors)
	Suprema	**BioStar2-ADV**	**0851150**	BioStar 2 Advanced edition with software licence (50-100 doors)
	Suprema	**BioStar2-PRO**	**0851160**	BioStar 2 Professional edition with software licence (100-300 doors)
	Suprema	**BioStar2-EPS**	**0851170**	BioStar 2 Enterprise edition with software licence (300-1000 doors)
	ENROLMENT READERS			
A	Suprema	**BMS-2**	**0861160**	BioMini Slim 2 USB Fingerprint enrolment device
	BIOMETRIC ACCESS CONTROLLER			
	Suprema	**CS-40**	**0851180**	CoreStation Biometric door controller. Centralised for user and Access Control data
	FINGERPRINT WITH CARD READERS			
	Suprema	**BEP2-OD**	**0851190**	BioEntry P2, internal dual frequency card reader (EM/MIFARE) Optical (OP6)
B	Suprema	**BEP2-OA**	**0851200**	BioEntry P2, internal card reader (EM, HID Prox, MIFARE, DESFire, iCLASS) Optical (OP6)
	FINGERPRINT SLAVE READER			
	Suprema	**BER2-OD**	**0851210**	BioEntry Slave internal dual frequency card reader (EM/MIFARE)
	FINGERPRINT WITH TOUCH SCREEN, CARD READER			
C	Suprema	**BSA2-OMPW**	**0790230**	Indoor BioStation A2 fingerprint reader with T&A functionality, touch screen + MIFARE/DESFire card reader
	Suprema	**BSA2-OHPW**	**0790240**	Indoor BioStation A2 fingerprint reader with T&A functionality, touch screen + HID proximity card
	Suprema	**BSA2-OIPW**	**0790250**	Indoor BioStation A2 fingerprint reader with T&A functionality, touch screen + iCLASS card
	Suprema	**BSL2-OM**	**0790260**	Indoor BioStation L2 fingerprint reader with MIFARE card + display screen
	Suprema	**BSL2-OE**	**0823200**	Indoor BioStation L2 fingerprint reader with EM Prox card + display screen
	WEATHERPROOF FINGERPRINT WITH CARD & PIN READER			
	Suprema	**BLN2-ODB**	**0751110**	Biolite N2 IP67 external dual frequency reader (EM/MIFARE/DESFire) Optical OP6
D	Suprema	**BLN2-OAB**	**0851220**	Biolite N2 IP67 external MultiCLASS reader (EM, HID Prox, MIFARE, DESFire, iCLASS) Optical OP6
E	Suprema	**BS2-OMPW**	**0775030**	IP65 outdoor-rated BioStation 2 fingerprint + MIFARE/DESFire card reader
	Suprema	**BS2-OHPW**	**0790270**	IP65 outdoor-rated BioStation 2 fingerprint + HID proximity card reader
	Suprema	**BS2-OIPW**	**0688070**	IP65 outdoor-rated BioStation 2 fingerprint + iCLASS card reader

A BMS-2

- World's slimmest FAP 20 optical sensor
- FBI PIV and FMI Mobile ID, FAP20 certificates
- Machine-learning based
- Live Finger Detection (LFD) technology
- Easy integration BioMini SDK for easy application development Android, MS Windows & Linux compatible multi-threaded code design for multi-core CPU utilisation
- NIST certified interoperable image & template format standards (ANSI-378, ISO19794-2/4)

B BEP2-OA

- Features Suprema's latest fingerprint algorithm
- Fast matching - up to 10,000 match/second
- Versatile interface
- High precision OP6 optical sensor
- Multi card reading with dual-frequency RFID card technology
- Enterprise level capacity, integrated with 20+ Access Control products - Paxton, ACT, PAC etc.

C BSA2-OMPW

- World's fastest Biometric performance
- Improved accuracy & security
- Expanded capacity
- Versatile interfaces and usability

D BLN2-OAB

- Best in class performance
- IP67 rated
- RFID MultiCLASS reader technology including mobile credentials
- Comprehensive Access Control and Time and Attendance features
- World's best fingerprint sensor and faster fingerprint matching speed
- Versatile interface integrated with 20+ Access Control products - Paxton, ACT, PAC etc.

E BS2-OMPW

- Instant matching & authentification
- Rapid data transfer
- Expanded memory capacity
- IP65 certified dust & water protection
- Versatile interface
- Integrated with 20+ Access Control products - Paxton, ACT, PAC etc.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	SEVERE WEATHERPROOF FINGERPRINT WITH MULTI-CARD READERS			
F	Suprema	**BEW2-0APB**	**0859320**	BioEntry W2 IP67 outdoor rated MultiCLASS card reader (MIFARE, HID Prox, EM, iCLASS, DESFire)
	Suprema	**BEW2-0DPB**	**0862030**	BioEntry W2 IP67 outdoor rated dual frequency card reader (MIFARE, EM), Bluetooth, BLE mobile credential ready
	Suprema	**BEW2-0HP**	**0790310**	BioEntry W2 IP67 outdoor rated HID proximity card reader
	FACIAL RECOGNITION READER			
G	Suprema	**FL-DB**	**0678120**	FaceLite Compact Face Recognition terminal 125kHz,EM 13.56MHz: MIFARE, MIFARE Plus, DESFire/EV1, FeliCa, NFC, BLE
H	Suprema	**FS2-D**	**0823230**	FS2 FaceStation 2 MIFARE/DESFire/EM Prox/NFC
	Suprema	**FS2-AWB**	**0823220**	FS2 FaceStation 2 Wifi MIFARE/DESFire/EM Prox/HID iClass/NFC/BLE/MultiCLASS
	Suprema	**FSF2-DB**	**0642380**	FaceStationF2 Fusion multimodal terminal
	WEATHERPROOF MULTI SMART READER			
	Suprema	**XPS2Mv2**	**0851230**	Multi smart card reader/controller (13.56MHz, MIFARE/DESFire), IP65
	SLAVE SMARTCARD READER			
I	Suprema	**XPD2-MDB**	**0851240**	Dual RFID (125kHz EM & 13.56MHz MIFARE, DESFire/EV1, NFC), IP67, IK08, BLE
J	Suprema	**XPD2-GDB**	**0665720**	GangBox type RF card reader, dual RFID (125kHz EM & 13.56MHz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693), IP67, IK08, BLE
K	Suprema	**XPD2-GKDB**	**0665730**	GangBox Keypad type RF card reader, dual RFID (125kHz EM & 13.56MHz MIFARE, DESFire/EV1, FeliCa, NFC, ISO14443A/B, ISO15693), IP67, IK08, BLE

F BEW2-0APB

- Massive memory capacity
- Instant matching authentication
- Next generation optical sensor
- IP67/IK08 rated
- Integrated with 20+ Access Control products

G FL-DB

- Enhanced Security: IR based Live Face Detection (LFD); preventing spoofing by printed images & LCDs
- Face template encryption
- Ultra performance: Matching speed 1:3000 match/sec
- Group matching: 1:5000 match/sec
- Multi RFID card reading: 125kHz, 13.56MHz dual card tech. Prox MIFARE
- NFC & BLE enabled

H FS2-D

- FaceStation 2 was born out of real customers demanding the best in: Security and performance, customisable user interface, reliability and a biometric terminal built for real world situations
- MultiCLASS option available (HID Seos, iCLASS/ Prox), adjustable wall mount bracket to support different heights
- Support WiFi and Bluetooth to reduce the cost of pulling cable
- Quad core processor enables lightning fast recognition
- 3x larger user capacity for 1:N than FaceStation 1 (3000 1:N vs 1000 1:N)
- Better performance in indirect sunlight (up to 25,000 lux)

I XPD2-MDB

- Outdoor compact RFID MultiCLASS card reader
- Supports mobile cards using NFC and BLE
- IP67 dust & waterproof
- IK08 vandal proof
- Industry standard communication via OSDP
- Enhanced security with the Secure Element

J XPD2-GDB

- Single gang style RFID reader
- Suprema Mobile App configured
- CoreStation compatible
- NFC & BLE enabled
- IP67 dust & waterproof
- IK08 vandal proof

K XPD2-GKDB

- Single gang style RFID reader with keypad
- Suprema Mobile App configured
- PIN entry
- CoreStation compatible
- NFC & BLE enabled
- IP67 dust & waterproof
- IK08 vandal proof

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	MULTICLASS READER WITH KEYPAD			
	Suprema	**XS2-DPB**	**0877450**	RF card reader, dual RFID (125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa), IP65, NFC, BLE
A	Suprema	**XS2-QDPB**	**0877460**	RF card reader, QR/barcode, dual RFID (125kHz EM & 13.56Mhz MIFARE, MIFARE Plus, DESFire EV1/EV2, FeliCa), IP65, NFC, BLE
	MOBILE CREDITS			
	Suprema	**MC-Regular-Cr**	**0646430**	Mobile credit
	AIRFOB-PATCH			
	Suprema	**Airfob-Patch**	**0642370**	Airfob
	TRAINING			
	Suprema	**W-tra**	**0641590**	Webinar training
	Suprema	**On-Tr**	**0641600**	Onsite training
	ACCESSORIES			
	Suprema	**ENCR-10**	**0851250**	Plastic enclosure for CoreStation with power supply (110-240V, 50/60Hz)

A

XS2-QDPB

- X-Station 2 provides multiple credential options of RFID cards, Mobile Access and QR codes
- Power over Ethernet (PoE)
- 4" Wide touchscreen
- IP65 rating
- Expanded capacity for more users and security logs 500,000 users 50,000 image logs 5,000,000 text logs

X-Station 2 is a versatile intelligent terminal that supports RFID, Mobile Access as well as QR codes, offering the ultimate flexibility in terms of credential options. X-Station 2 improves security while safeguarding user data. X-Station 2 is easy to install, use and maintain with features like Power over Ethernet (PoE), intuitive GUI on 4" wide touchcreen and IP65 rating.

POCKET-SIZE BUZZ – FACIAL RECOGNITION IN ACCESS CONTROL

Facial recognition is an excellent, touch free, method of access control that provides extremely high levels of security as it, along with other biometric methods, can't be cloned. Watch this 90 second video to find out more.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Experience
The Norbain Advantage

Full portfolio of services

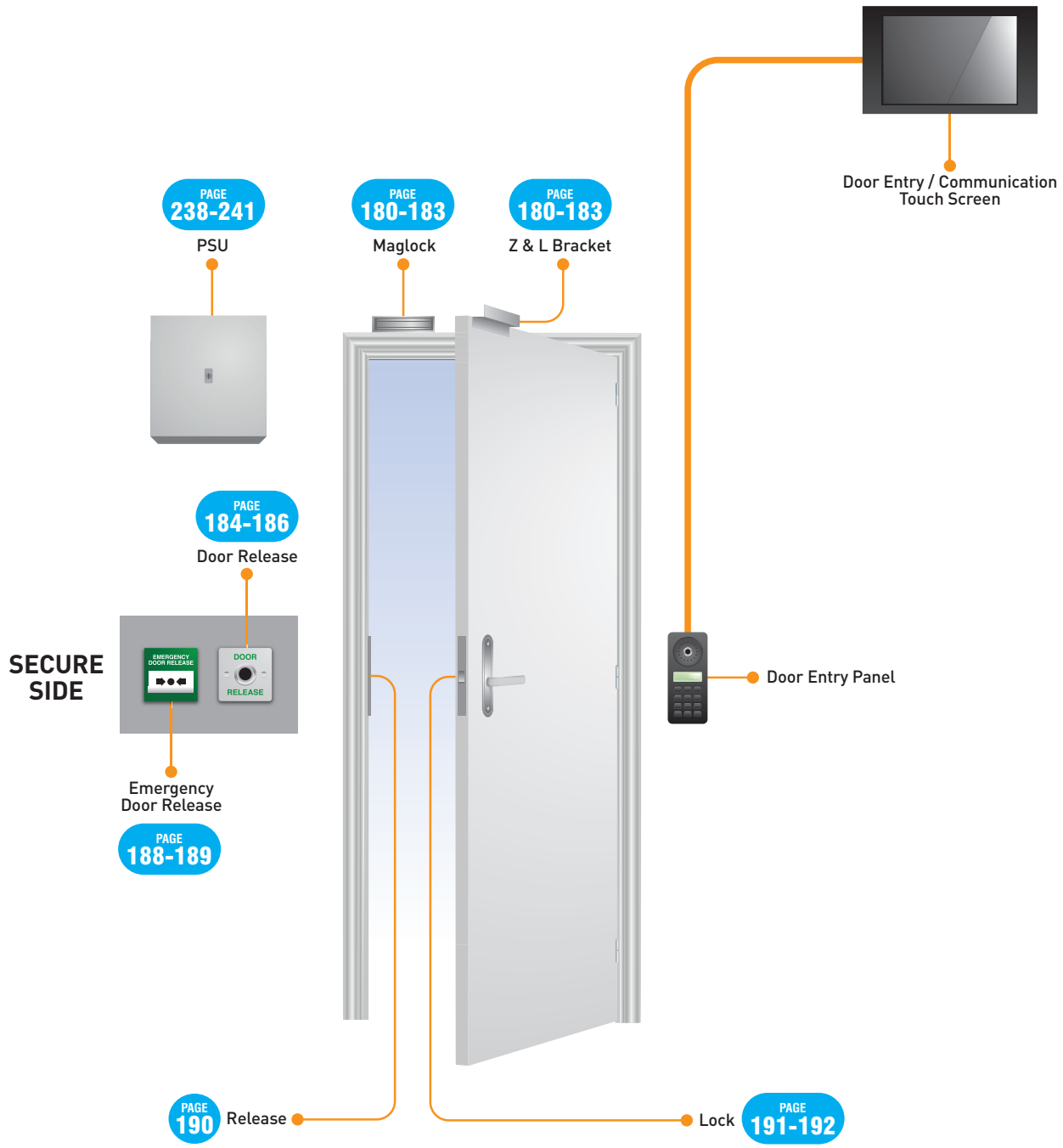
- Norbain website
- Repair service
- Pre-configuration service
- Demo rooms and conference facilities
- Simple and efficient returns procedures
- Industry-leading technical support

Want to find out more about how Norbain can support your business?
Contact us today:

info@norbain.com www norbain.com 0118 912 5000

DOOR ENTRY

This is a representation of the elements required to make up a Door Entry system. If you would like to discuss a particular project, please contact your Norbain Sales Team.



DOOR ENTRY
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Manufacturer	Part No.	Quick Ref.	Product Description
IP VIDEO ENTRY PANEL KITS			
2N	**9155401CB-E**	**0663360**	2N Verso LTE 4G intercom unit, black
2N	**9155401C-E**	**0407080**	2N Verso LTE 4G intercom unit, nickel
2N	**9155036**	**0804600**	2N 2000 Entry touch screen phone book and keypad unit for Verso
2N	**9155046**	**0846140**	2N Bluetooth access unit for Verso
2N	**9155082**	**0574700**	2N Bluetooth and RFID combination module for IP Verso
2N	**9155084**	**0574710**	2N Bluetooth and RFID combination module for IP Verso, secured
2N	**9155045**	**0846150**	2N Bluetooth and secured RFID combination module for IP Verso
2N	**9155047**	**0686870**	2N Black membrane keypad module for Verso
2N	**9155081**	**0574760**	2N Touch keypad and RFID combination module for IP Verso
2N	**9155083**	**0574770**	2N Touch keypad and RFID combination module for IP Verso, secured
2N	**9155041**	**0765940**	2N Touch keypad and secured RFID combination module for IP Verso

POCKET-SIZE BUZZ – IP NETWORKS FOR AUDIO

Audio solutions are ideal for messaging in areas such as retail and education and for playing background music. Find out more about how offering them can add another revenue stream for installers and help strengthen their relationship with customers.

YouTube

WATCH VIDEO

hubs.la/H0V94Rc0

MARKET OPPORTUNITIES – RETAIL AND BUSINESS PARKS

Retail and business parks – still a growing trend but usually with security as an afterthought, so what solutions can you recommend to your customer?

Buzz Coates takes us through the various possibilities – wireless CCTV, audio, ANPR, multi-sensors & panoramic options along with considerations to suit the environment.

YouTube

WATCH VIDEO

hubs.la/Q01kmWlR0

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
IP VIDEO ENTRY PANELS				
	2N	**9151101RPW**	**0757240**	2N IP Force Intercom - 1 button, pictograms, 10W speaker
	2N	**9151101CRPW**	**0757250**	2N IP Force Intercom - 1 button, camera, pictograms, 10W speaker
	2N	**9151101W**	**0757260**	2N IP Force Intercom - 1 button & 10W speaker
	2N	**9151101CW**	**0757270**	2N IP Force Intercom - 1 button & camera & 10W speaker
	2N	**9151101KW**	**0757330**	2N IP Force Intercom - 1 button & keypad & 10W speaker
A	2N	**9151101CKW**	**0757340**	2N IP Force Intercom - 1 button & camera & keypad & 10W speaker
	2N	**9151102CRW**	**0757350**	2N IP Force Intercom - 2 buttons & camera & 10W speaker
	2N	**9151102RW**	**0757370**	2N IP Force Intercom - 2 buttons & 10W speaker
	2N	**9152101W**	**0757390**	2N IP Safety Intercom - 1 button & 10W speaker
B	2N	**9152102W**	**0757400**	2N IP Safety Intercom - 2 buttons & 10W speaker
	2N	**9152101MW**	**0757420**	2N IP Safety Intercom - red emergency button & 10W speaker
C	2N	**9157101**	**0893590**	IP Style - Digital touchscreen door Intercom with Bluetooth and RFID
D	2N	**9155101C**	**0745580**	Verso IP Intercom video/audio unit
	2N	**9155101**	**0757120**	Verso IP Intercom audio unit only

A 9151101CKW

- 2N IP Force door Intercom
- Robust construction for outdoor/high risk areas
- IK69K protection rating
- Single call button, numeric keypad, 10W speaker
- Built-in colour camera
- PoE or 12VDC powered

B 9152102W

- 2N IP Safety high visability door Intercom
- Robust construction for outdoor/high risk areas
- IP69K protection rating
- Two illuminated call buttons labelled INFO and SOS
- High power 10W loudspeaker and 2 microphones
- PoE or 12VDC powered

C 9157101

- 10.1" High brightness colour touch screen IP door Intercom
- IP65 and IK08 rated for indoor and outdoor installation
- Bluetooth 5.0 LE compliant
- Camera features latest-generation Axis Artpec technology for Wide Dynamic Range, high performance image quality in low light and night time
- Multiple access/authentication methods: Digital keypad & phonebook, QR code recognition, WaveKey Bluetooth and RFID
- User interface offers options for office and residential applications

D 9155101C

- IP (Internet Protocol) connected Door Entry System
- 2N Verso modular Intercom device allows flexibility of specification
- HD camera with infrared light and night vision
- SIP communication protocol
- Programmable scripts for actions and reactions
- Integrates within a LAN, WAN, Web Ethernet network system
- Integration with third-party CCTV systems with ONVIF support

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
IP CONTROL EQUIPMENT				
	2N	**91379030**	**0574780**	2N Access Commander box PC/administrator software package
	2N	**91379040**	**0765860**	2N Access Commander licence for 5 user devices
	2N	**9155021**	**0782710**	2N Frame for surface mounting. 1 module nickel
	2N	**9155014**	**0748950**	2N Frame for flush mounting. 1 module nickel
	2N	**9155011**	**0748940**	2N Backbox for flush mounting
A	2N	**9160334S**	**0806580**	IP Access Unit 2.0 - Access Control Module with RFID and NFC (secured)
B	2N	**9160335S**	**0574740**	2N Bluetooth and RFID combination Access unit. All formats, secured
C	2N	**9160336S**	**0574750**	2N RFID and keypad combination Access unit. All formats, secured
	2N	**9160334**	**0878140**	IP Access Unit 2.0 - Access Control unit with RFID and NFC
	2N	**9160335**	**0574720**	IP Access Unit 2.0 - Access Control unit with Bluetooth & RFID
D	2N	**9160336**	**0574730**	IP Access Unit 2.0 - Access Control unit with touch keypad & RFID reader
	2N	**916112**	**0878150**	IP Access Unit M - mullion style reader, RFID 13.56MHz, NFC ready
	2N	**916114**	**0878160**	IP Access Unit M - mullion style reader, RFID 125kHz, 13.56MHz, NFC
	2N	**916115**	**0878170**	IP Access Unit M - mullion style reader, Bluetooth & RFID 125kHz, 13.56MHz, NFC
E	2N	**916116**	**0878180**	IP Access Unit M - mullion style reader, touch keypad & RFID 125kHz, 13.56MHz, NFC

A 9160334S

- 2N IP Access 2.0 reader
- Dual format user authentication - RFID & NFC
- Convenience of mobile credentials
- Multi-frequency RFID card reader
- Web interface administration
- Secure, encrypted communication

B 9160335S

- 2N IP Access 2.0 reader
- Dual format user authentication - Bluetooth & RFID (secured)
- Convenience of mobile credentials
- Multi-frequency RFID card reader
- Web interface administration
- Secure, encrypted communication

C 9160336S

- 2N IP Access 2.0 reader
- Dual format user authentication - Touch keypad & RFID (secured)
- Convenience of mobile credentials
- Multi-frequency RFID card reader
- Web interface administration
- Secure, encrypted communication

D 9160336

- 2N IP Access 2.0 reader
- Dual format user authentication - Touch keypad & RFID
- Convenience of mobile credentials
- Multi-frequency RFID card reader
- Web interface administration
- Secure, encrypted communication

E 916116

- 2N Access Control reader
- Mullion-style narrow profile for door frame location
- Dual format user authentication - RFID & Touch keypad
- Convenience of mobile credentials
- Remote configuration and management
- Mobile credentials for FREE

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	IP VIDEO MONITORS			
F	2N	**91378375**	**0805630**	Indoor Touch 2.0 - Touchscreen Digital intercom answering panel, PoE, black
	2N	**91378375WH**	**0659810**	Indoor Touch 2.0 - Touchscreen Digital intercom answering panel, PoE, white
G	2N	**91378601**	**0858590**	2N Indoor View - 7" Touchscreen Digital answering unit, black
	2N	**91378601WH**	**0878290**	2N Indoor View - 7" Touchscreen Digital answering unit, white
	IP AUDIO			
	2N	**91378401**	**0574820**	2N Indoor Talk - audio only answering device, PoE, black
	2N	**91378401WH**	**0574830**	2N Indoor Talk - audio only answering device, PoE, white
	IP ACCESSORIES			
	2N	**9155017**	**0816610**	2N Flush backbox for Solo IP intercom
	2N	**9155068**	**0846170**	2N Surface backplate for Solo IP intercom
	2N	**91378800**	**0574840**	2N Installation back box for indoor talk and indoor compact
	2N	**9137410E**	**0757460**	2N External IP relay - 1 output
	2N	**9137411E**	**0757470**	2N External IP relay - 4 outputs, PoE
	2N	**9159050**	**0757500**	2N Induction loop (suitable for Helios IP Verso only)
	2N	**9159010**	**0745650**	2N IP security relay
	2N	**9157001**	**0893600**	Flush mounting back box for IP style Intercom
	2N	**9157002**	**0893610**	Surface mounting back box for IP style Intercom

F 91378375

- 2N Indoor Touch 2.0 intercom answering panel
- High definition audio & video communication
- High definition view of visitors at the door
- Remote door unlocking
- Power supply via PoE or 12V adapter
- Stylish, elegant design, available in black or white

G 91378601

- 2N Indoor View 7" intercom answering panel
- High definition audio & video communication
- High definition view of visitors at the door
- Remote door unlocking
- Power supply via PoE or 12V
- Stylish, elegant design, available in black or white

Experience
The Norbain Advantage

PRE-CONFIGURATION SERVICE

Our pre-configuration service reduces the amount of time engineers spend on-site by preparing the system prior to delivery. In addition to saving time, this also reduces the risk to installers as the equipment is fully tested during the process.

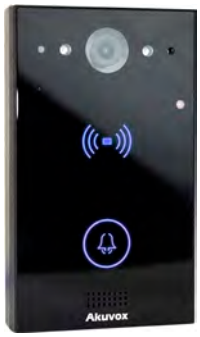
All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
IP VIDEO ENTRY PANELS				
A	Akuvox	**A05C**	**0878190**	IP Access Control reader with Facial Recognition, Bluetooth, RFID & QR Code reader
	Akuvox	**E21A**	**0684100**	Vandal Resistant SIP intercom, audio only
	Akuvox	**E21V**	**0684110**	Vandal Resistant SIP intercom with audio and video
	Akuvox	**E21XF**	**0684120**	Flush mounting back box for Akuvox E21 intercoms, brushed steel
B	Akuvox	**E11R**	**0684090**	Compact SIP intercom with 1 call button (video & card reader), including surface mount back plate
C	Akuvox	**R20AS**	**0684150**	Compact SIP intercom with 1 call button (video & RFID card reader), including surface mount backbox
	Akuvox	**R20AF**	**0684140**	Compact SIP intercom with 1 call button (video & card reader), including flush mount backbox
D	Akuvox	**R20KS**	**0684180**	Compact SIP intercom with keypad (video & card reader), including surface mount backbox
	Akuvox	**R20KF**	**0684160**	Compact SIP intercom with keypad (video & card reader), including flush mount backbox
	Akuvox	**R20BF**	**0878230**	Compact IP door intercom unit with 5 buttons (video & card reader), including flush mount backbox
E	Akuvox	**R20BS**	**0878240**	Compact IP door intercom unit with 5 buttons (video & card reader), including surface mount backbox
	Akuvox	**R20B2F**	**0878250**	Compact IP door intercom unit with 2 buttons (video & card reader), including flush mount backbox
	Akuvox	**R20B2S**	**0878260**	Compact IP door intercom unit with 2 buttons (video & card reader), including surface mount backbox
	Akuvox	**E16C**	**0862840**	IP Access Control unit & SIP intercom, touchscreen, Face Recognition, Bluetooth, RFID & QR code
F	Akuvox	**E18C**	**0893630**	IP Access Control unit & SIP intercom, face recognition, Bluetooth, RFID & QR code

Akuvox

A A05C

- 5" LCD digital colour display Access Control unit
- Multiple secure authentication methods: Face recognition, Bluetooth, RFID and QR code scanning
- Anti-spoofing algorithm against photo and video attack
- IP65 protection rating for outdoor use
- 20,000 face capacity & 20,000 card capacity
- Supports ONVIF open standard for effective integration with other 3rd party IP systems and devices such as IP CCTV cameras, NVRs etc.



Akuvox

B E11R

- IP connected door intercom - surface mounted
- Single call button - illuminated
- Integrated RFID card reader
- Wide angle 2MP colour camera: horizontal 116°, vertical 60°
- PoE or 12VDC powered
- Two-way audio over IP networks with Echo cancellation

Akuvox

C R20AS

- Compact, IP connected door intercom - surface mounted
- Single call button - illuminated
- Integrated RFID card reader
- Wide angle 3MP colour camera: horizontal 120°, vertical 65°
- PoE or 12VDC powered
- IP65 protection rating for indoor and outdoor use

Akuvox

D R20KS

- Compact, IP connected door intercom - surface mounted
- 15 button numeric keypad - illuminated
- Integrated RFID card reader & NFC contactless
- Wide angle 2MP colour camera
- PoE or 12VDC powered
- IP65 protection rating for indoor and outdoor use

Akuvox

E R20BS

- Compact, IP connected door intercom - surface mounted
- 5 x call buttons - illuminated
- Integrated RFID card reader
- Wide angle 3MP colour camera: horizontal 120°, vertical 65°
- PoE or 12VDC powered
- IP65 protection rating for indoor and outdoor use

Akuvox

F E18C

- 7" LCD digital colour display Touchscreen Access Control unit also functions as a SIP door intercom unit
- Multiple secure authentication methods: Face recognition, Bluetooth, RFID and QR code scanning, PIN code
- Anti-spoofing algorithm against photo and video attack
- IP65 protection rating for outdoor use
- 20,000 face capacity & 20,000 card capacity
- Body Temperature Detection (when used with MD02 - sold separately)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
IP VIDEO ENTRY PANELS CONTINUED				
	Akuvox	**R26CF**	**0637780**	SIP intercom with 1 call button (video & card reader), including flush mount backbox
	Akuvox	**R27A**	**0684190**	SIP intercom with colour camera, keypad and RFID card reader
G	Akuvox	**R28A**	**0684200**	SIP intercom with colour display screen, numeric keypad, camera, RFID & IP65
	Akuvox	**R27R28XS**	**0637830**	Surface mounting back box for Akuvox R27 & R28 model intercoms
	Akuvox	**R27R28XF**	**0637820**	Flush mounting back box for Akuvox R27 & R28 model intercoms
	Akuvox	**R29C**	**0684210**	SIP Touchscreen intercom with dual cameras, QR code, card reader and secure Facial Recognition, silver
H	Akuvox	**R29C-B**	**0645850**	SIP Touchscreen intercom with dual cameras with Face Recognition and body temperature measurement, silver
I	Akuvox	**R29CBLK**	**0684220**	SIP Touchscreen intercom with dual cameras, QR code, card reader and secure Facial Recognition, black
	Akuvox	**R29S**	**0684230**	SIP Touchscreen intercom with camera, RFID card reader
	Akuvox	**R29XS**	**0684250**	Surface mounting back box for Akuvox R29 model intercoms
	Akuvox	**R29XF**	**0684240**	Flush mounting back box for Akuvox R29 model intercoms
	Akuvox	**R29XRH**	**0870440**	Rain hood for Akuvox R29 surface model intercoms
J	Akuvox	**X915S**	**0878270**	IP Touchscreen Smart Door intercom unit with Face Recognition, QR, RFID, BLE
	Akuvox	**X916S**	**0637860**	SIP Touchscreen Smart video intercom with secure Facial Recognition
K	Akuvox	**X912S**	**0893620**	Vandal Resistant SIP video Intercom, digital keypad, Face Recognition, Bluetooth, RFID & QR code
	Akuvox	**SDMC MANAGEMENT SYSTEM**	**0637840**	Software Management System => 500 users

Akuvox

G R28A

- IP connected door intercom - surface mounted
- Full colour display screen with digital phonebook
- 16 button numeric keypad - illuminated
- Integrated RFID card reader & NFC contactless
- Wide angle 2MP colour camera with automatic lighting
- PoE or 12VDC powered, IP65 protection rating

Akuvox

H R29C-B

- IP Touchscreen door intercom unit
- Full colour touchscreen display with digital phonebook
- Face recognition, NFC, Bluetooth, RFID access credentials
- QR code scanner for 'temporary key' access
- Android 5.1/SIP/ONVIF/Wiegand
- PoE or 12VDC powered, IP65 protection rating

Akuvox

I R29CBLK

- IP Touchscreen door intercom unit
- Full colour touchscreen display with digital phonebook
- Face recognition, NFC, Bluetooth, RFID access credentials
- QR code scanner for 'temporary key' access
- Android 5.1/SIP/ONVIF/Wiegand
- PoE or 12VDC powered, IP65 protection rating

Akuvox

J X915S

- IP Touchscreen door intercom unit
- Full colour touchscreen display with digital phonebook
- Face recognition, NFC, Bluetooth, RFID access credentials
- QR code scanner for 'temporary key' access
- Full colour HDR camera for high light contrast locations
- PoE or 12VDC powered, IP65 & IK10 protection rating

Akuvox

K X912S

- Vandal Resistant IP door intercom
- IK10 high impact protection rating
- Multiple access/authentication methods: Face recognition, BLE, QR code, RFID PIN code
- Camera features built-in HDR mode for high light contrast locations
- 4" colour TFT LCD touchscreen display
- Touch sensitive numeric keypad
- Black stainless steel finish

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	IP VIDEO MONITORS			
A	Akuvox	**X7HD**	**0684270**	7" Indoor Touchscreen intercom panel, black
	Akuvox	**C315S**	**0878200**	7" IP Indoor Touchscreen intercom answering panel
	Akuvox	**C315S(869)**	**0878210**	7" IP Indoor Touchscreen intercom answering panel; compatible with Emergency Pendant EP10
	Akuvox	**C315SW**	**0878300**	7" IP Indoor Touchscreen intercom answering panel, white
B	Akuvox	**X933W**	**0878280**	Premium 7" Touchscreen door intercom answering panel, WiFi and Bluetooth
C	Akuvox	**IT83A**	**0684130**	10" SIP Indoor Touchscreen intercom panel with camera, WiFi & Bluetooth - SIP PBX
	Akuvox	**C319A**	**0880990**	10" IP Indoor Touchscreen intercom answering panel with camera, WiFi, Bluetooth; EP10 compatible
D	Akuvox	**R49G**	**0877160**	Premium Android IP video phone, supports PoE & Gigabit port
	IP AUDIO			
	Akuvox	**C312A-W**	**0684080**	Indoor SIP audio-only intercom answering device including WiFi & Bluetooth, white
	IP ACCESS CONTROL			
	Akuvox	**A01**	**0893640**	IP Access Control Reader, RFID 13.56MHZ, 125KHZ, NFC
	Akuvox	**A02**	**0893650**	IP Access Control Reader, keypad and RFID 13.56MHZ, 125KHZ, NFC
E	Akuvox	**A03**	**0893660**	IP Access Control Reader, Bluetooth (BLE) and RFID 13.56MHZ, 125KHZ, NFC

Akuvox

A X7HD

- 7" IP Indoor intercom answering panel
- Capacitive touchscreen
- Android operating system; simple to use, control and configure
- Remote door unlocking
- Ideal for use in MDUs, apartments, office buildings
- Stylish, user friendly interface

Akuvox

B X933W

- 7" IP Indoor intercom answering panel
- Capacitive touchscreen
- Built-in WiFi and Bluetooth
- Android 9.0 operating system; simple to use, control, configure
- Remote door unlocking
- Integration with 3rd party IP-connected devices

Akuvox

C IT83A

- 10" IP Indoor intercom answering panel
- Capacitive touchscreen, supports 3rd party Apps
- Built-in colour camera, WiFi and Bluetooth
- Android operating system; simple to use, control and configure
- Remote door unlocking
- 8 channel inputs and 2 embedded relays

Akuvox

D R49G

- Premium Android IP video phone
- 7" Touchscreen
- Dual Gigabit Ethernet ports
- Built-in Bluetooth, USB and WiFi feature
- Premium audio and video quality
- Supports 3rd party Apps

Akuvox

E A03

- Flush or suface mountable IP Access Control reader
- Access authentication via BLE, RFID & NFC
- Web interface administration
- Keyless entry via smartphone (BLE, NFC), wave hand to unlock when using the Akuvox My MobileKey App with VLE 5.0 technology
- 20,000 card capacity and 100,000 event log
- IP65 protection rating for indoor and outdoor applications

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
IP VIDEO ENTRY PANEL KITS				
	Hikvision	**DS-KIS702 (B)**	**0869390**	2 wire video intercom kit
	Hikvision	**DS-KIS603-P(B)**	**0858020**	IP Video intercom kit
IP VIDEO ENTRY PANELS				
	Hikvision	**DS-KD8003-IME1/Surface**	**0673580**	KD8 Series Pro modular door station with surface mount
	Hikvision	**DS-KD-M**	**0674170**	Video intercom card reader module
	Hikvision	**DS-KD-DIS**	**0587920**	Video intercom display module
	Hikvision	**DS-KD-CO**	**0684920**	Video intercom cutout module for Paxton's panel mount reader
	Hikvision	**DS-KD8003-IME1/S**	**0853920**	KD8 Series Pro modular door station
	Hikvision	**DS-KD-KK/S**	**0853830**	Modular door station name tag unit
	Hikvision	**DS-KD-KP/S**	**0853820**	Modular door station keypad module
	Hikvision	**DS-KD-ACW1/S**	**0853840**	2nd video intercom brackets, 1 module accessory
	Hikvision	**DS-KD-ACW2/S**	**0853850**	2nd video intercom brackets, 2 module accessory
	Hikvision	**DS-KD-ACW3/S**	**0853860**	2nd video intercom brackets, 3 module accessory
F	Hikvision	**DS-KV6113-WPE1(B)**	**0869810**	Plastic Villa Door station with card read & 485 & indicators
G	Hikvision	**DS-KV8213-WME1(B)**	**0883990**	2 Button metal Villa Door station
VIDEO CONTROL EQUIPMENT & PSUS				
	Hikvision	**DS-KM9503**	**0877340**	10" Touch Android IP main station
VIDEO ENTRY MONITORS				
	Hikvision	**DS-KH8350-WTE1**	**0673620**	7" Video intercom indoor station
IP VIDEO ENTRY MONITORS				
	Hikvision	**DS-KH6320-WTE1**	**0674250**	KH6 Series IP-based indoor station
	Hikvision	**DS-KH8520-WTE1**	**0674220**	KH8 Series IP-based indoor station
H	Hikvision	**DS-KH9310-WTE1**	**0857850**	7" Android indoor station

HIKVISION

F DS-KV6113-WPE1(B)

- Plastic Villa Door station with card reader, value series
- Supports WiFi (no wiring required)
- 2MP camera with IR supplement, IP65 & 2 indicators integrated
- Supports web configuration
- Noise suppression and echo cancellation
- 1 channel indoor station access control

HIKVISION

G DS-KV8213-WME1(B)

- 2 button metal Villa Door station, Pro series
- Supports WiFi (no wiring required)
- 2MP camera with IR supplement, IP65, IK08 & 3 indicators integrated
- Supports web configuration
- Noise suppression and echo cancellation
- 2 channel indoor station access control

HIKVISION

H DS-KH9310-WTE1

- All-in-one indoor station, ultra series
- 7" colourful touch screen with high resolution
- Support Android App installation
- Video intercom & live view on mobile phone
- Wireless intrusion panel, video verification from alarm systems
- Open platform for 3rd party software integration

MARKET OPPORTUNITIES – INTRODUCTION

Market Opportunities is a new video series for 2022. Presented by Buzz Coates, our Security Solutions Expert, each video focuses on trends in one sector and the different uses of security technology identified.

Explore the opportunities to develop your business across different industries and types of customers.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
IP VIDEO KITS			
Paxton	**337-430**	**0757540**	Entry - Standard panel, demonstration case
Paxton	**337-635**	**0850860**	Entry - Touch panel, demonstration case
IP VIDEO ENTRY PANELS			
Paxton	**337-420**	**0757610**	Entry - Standard panel, surface mount
Paxton	**337-410**	**0757620**	Entry - Standard panel, surface mount with rain hood
Paxton	**337-400**	**0757630**	Entry - Standard panel, flush mount
Paxton	**337-520**	**0757640**	Entry - Vandal Resistant panel, surface mount
Paxton	**337-510**	**0757650**	Entry - Vandal Resistant panel, surface mount with rain hood
Paxton	**337-500**	**0757660**	Entry - Vandal Resistant panel, flush mount
Paxton	**337-620**	**0809720**	Entry - Touch panel, surface mount
Paxton	**337-610**	**0809710**	Entry - Touch panel, surface mount with rain hood
Paxton	**337-600**	**0809700**	Entry - Touch panel, flush mount
IP CONTROL EQUIPMENT			
Paxton	**337-727**	**0654880**	Net2 Entry - Control unit
IP VIDEO MONITORS			
Paxton	**337-290**	**0395370**	Entry Premium monitor
Paxton	**337-292**	**0395380**	Entry Premium monitor - with handset
Paxton	**337-280**	**0645950**	Entry Standard monitor
Paxton	**337-282**	**0645960**	Entry Standard monitor - with handset
IP AUDIO MONITORS			
Paxton	**337-270**	**0530310**	Entry Audio monitor
Paxton	**337-272**	**0530320**	Entry Audio monitor with handset
IP ACCESSORIES			
Paxton	**337-773**	**0654890**	Net2 Entry - Extension switch
Paxton	**337-294**	**0395390**	Entry monitor - desktop stand

NORBAIN BASICS – WHAT IS SECURITY?

As a security solutions installer, do you ever want to take a step back and understand "The need for security"?

Buzz walks us through why we need security and what level might be appropriate for different scenarios.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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security delivered

Knowledge In Your Pocket

Let Pocket-size Buzz take you through some of the key trends and technologies in the industry in our series of 60-90 second introductory videos. Of course, if you want to find out more about them, or how they can benefit your and your customers' businesses, we've got a team of experts – including full-size Buzz himself – on hand and ready to help support you.

Scan the QR code or search for Norbain TV on YouTube to find out more.

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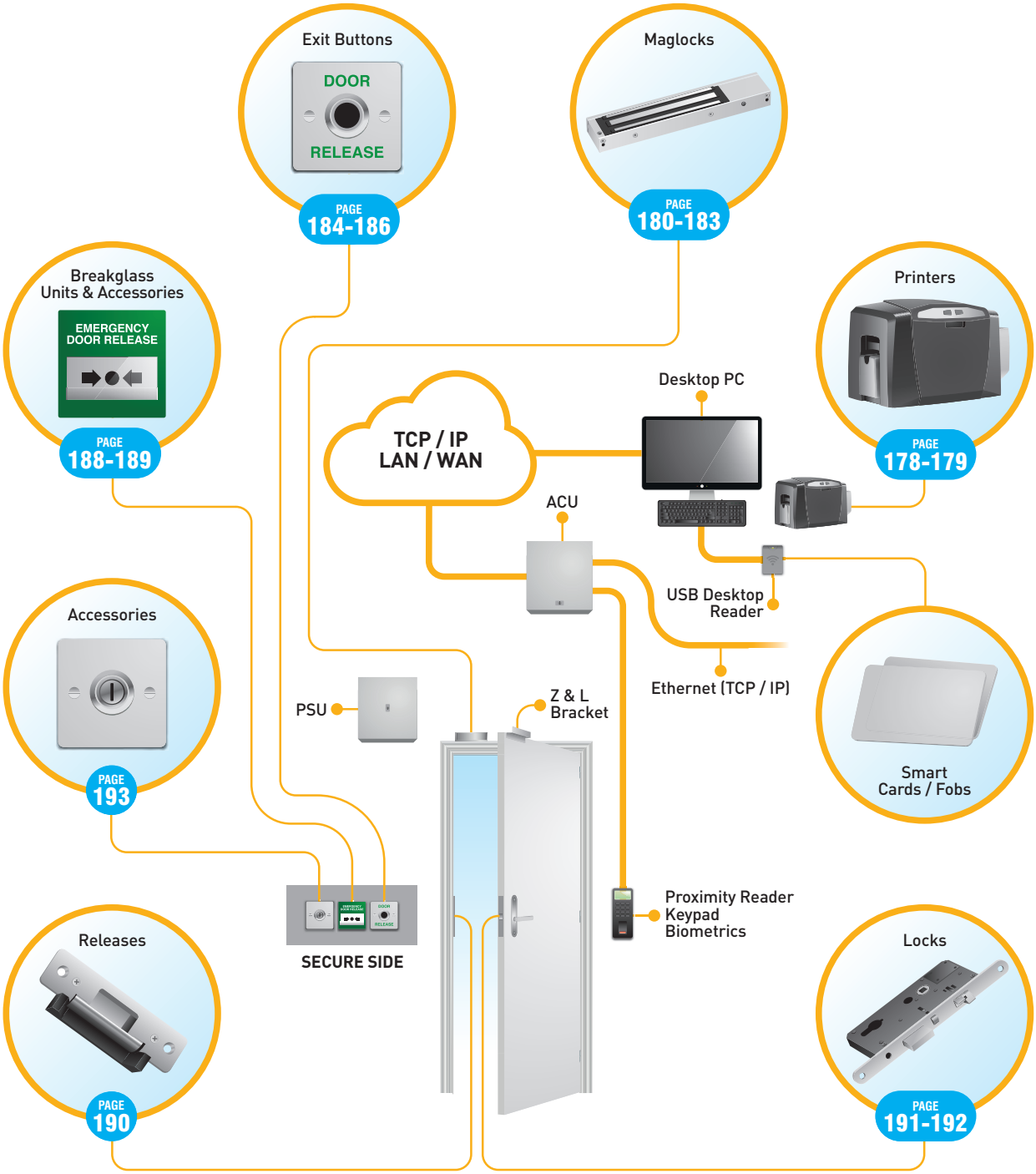
ACCESSORIES

Below are examples of the accessories required to complete an Access Control/Door Entry installation. Please be sure to speak with your Norbain Sales Team for further information.



ACCESSORIES
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	Manufacturer	Part No.	Quick Ref.	Product Description
	CONSUMABLES FOR HID FARGO INK1000			
A	HID	**62000**	**0905160**	INK1000 Single side printer: Base Model, USB
	HID	**62050**	**0905170**	INK1000 Encoder: Contactless Encoder
	HID	**62100**	**0905180**	YMC High-capacity, full colour ink cartridge for INK1000
	HID	**62150**	**0905190**	Kit cleaning INK1000
	HID FARGO DTC1250E CARD PRINTER RANGE			
	HID	**050000**	**0698180**	DTC1250e single side card printer
	HID	**050605**	**0735750**	DTC1250e (NA), EZ full-colour ribbon, 300 UltraCard™ PVC cards, 3 cleaning rollers
	HID	**050600**	**0701860**	DTC1250e, AsureID Solo, USB camera, colour ribbon, 100 cards, 3 cleaning rollers
	HID	**050100**	**0698190**	DTC1250e Dual sided base model (NA), USB printer, 3 year warranty
	HID	**050120**	**0735760**	DTC1250e Dual sided base model (NA), Ethernet printer, 3 year warranty
	CONSUMABLES FOR HID FARGO DTC1250E CARD PRINTER RANGE			
	HID	**045000**	**0550150**	EZ YMCKO cartridge with cleaning roller - 250 images (NA - DTC1250e)
	HID	**045010**	**0550160**	EZ YMCKOK cartridge with cleaning roller: Full-colour ribbon with two resin black panels and clear overlay panel – 200 images (NA - DTC1250e)
	HID FARGO HDP5000 CARD PRINTER/ENCODER RANGE			
	HID	**089300**	**0821400**	HDP5000 single sided printer, AsureID Express Photo ID software, high-end USB digital web camera, YMCK print ribbon, HDP film, UltraCard premium cards - 500 count, USB printer cable and 1-year AsureID technical support
	HID	**089640**	**0701680**	HDP5000 dual-sided printer base model, with 3 year printer warranty, lifetime warranty on the printhead
	CONSUMABLES FOR HID FARGO HDP5000 CARD PRINTER/ENCODER RANGE			
	HID	**084060**	**0821410**	Premium black (K) - 3000 images
	HID	**084050**	**0821420**	YMC: Full colour ribbon - 750 images
	HID	**084049**	**0434930**	YMCKK Half Panel: Half panel colour ribbon with two full resin black panels for producing cards with full colour front and black only back – 750 images
	HID FARGO HDP6600 CARD PRINTER/ENCODER RANGE			
B	HID	**094600**	**0893880**	HDP6600 single-side printer
	HID	**094640**	**0893890**	HDP6600 dual-side printer
	CONSUMABLES FOR HID FARGO HDP6600 CARD PRINTER/ENCODER RANGE			
	HID	**084900**	**0893900**	Standard clear film – approximately 1,500 images
	HID	**084911**	**0893910**	YMCK: Full-colour ribbon with resin black panel - 750 images
	HID	**084912**	**0893920**	YMCKK: Full-colour ribbon with two resin black panels - 600 images
	HID	**084915**	**0893930**	HDP6600 YMCKH: Full-colour ribbon with resin black and a heat seal panel - 600 images
	HID	**084916**	**0893940**	YMCFK: Full-colour ribbon with resin black and a dye based fluorescing panel - 600 images
	HID	**084917**	**0893950**	Premium black (K) - 3000 images

A 62000 HID® FARGO® INK1000 INKJET CARD PRINTER & ENCODER

- Easy to use - As simple to use as your home office printer
- Afforable - Brings your card designs to life in brilliant 600x1200dpi resolution at a fraction of the cost of ribbon-based card printers
- Sustainable - Eliminates wasted ribbon panels with exclusively formulated, Drop-on-Demand (DOD) inks that are compatible with standard, off-the-shelf PVC cards - an industry first
- Reliable - Provides outstanding performance and unrivalled quality from the leading brand in card issuance

B 094600 HID® FARGO® HDP6600 ID CARD PRINTER & ENCODER

- Ability to print up to 230 cards per hour
- Sharper, crisper images and text with 600dpi
- Retransfer-based wasteless lamination for highly durable cards at a fraction of the cost
- GreenCircle® certified energy savings

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
JAVELIN PRINTERS				
C	Javelin	**DNA00000**	**0067660**	Fully upgradable manual ID card printer. Options: Dual side, WiFi, Mag, contact, contactless, security locks
D	Javelin	**DNAP00000**	**0067670**	Fully upgradable automatic ID card printer. Options: Dual side, WiFi, Mag, contact, contactless, additional hopper, lamination unit

JAVELIN **DNA**

C DNA00000

- Entry level manual feed ID card printer
- Upgradeable: All encoding options, single to dual side, WiFi
- Ethernet as standard
- Small footprint and very lightweight
- Ideal for small production runs or where space is a premium
- LCD for diagnostic purposes

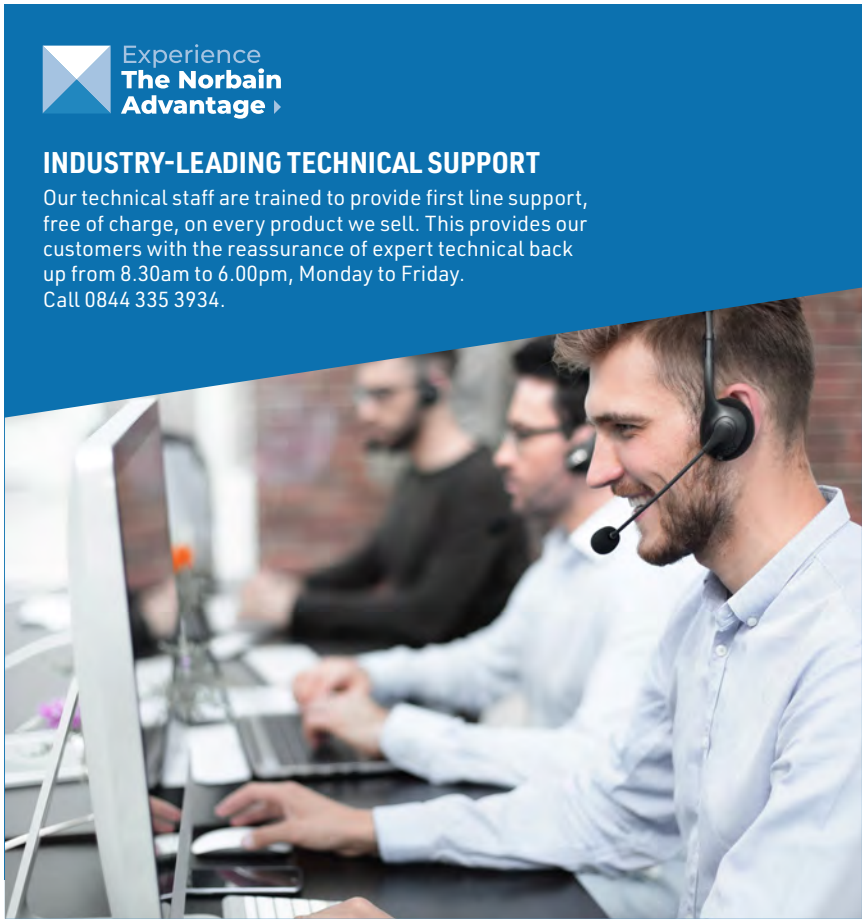
JAVELIN **DNA PRO**

D DNAP00000

- Automatic feed
- Additional hopper as an option for multiple card stock
- Compatible with our Javelin laminator for extra card longevity
- Upgradeable: Data-shield, software lock, card re-write & Mobile App
- M-Boss printhead option for printing on pre-embossed cards
- Ethernet as standard

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
MINI MAGLOCKS			
Adams Rite	**262-005**	**0550500**	Mortice mount magnet monitored 12/24VDC
Adams Rite	**261-000**	**0550430**	Slimline magnet unmonitored 12/24VDC
Adams Rite	**261-005**	**0550440**	Slimline magnet monitored 12/24VDC
Adams Rite	**261-200**	**0550450**	Slimline double magnet unmonitored 12/24VDC
Adams Rite	**261-205**	**0550460**	Slimline double magnet monitored 12/24VDC
ACCESSORIES FOR MINI MAGLOCKS			
Adams Rite	**261-800**	**0550490**	Z & L bracket to suit 261 magnet
Adams Rite	**261-801**	**0699200**	Z & L bracket to suit 261 magnet with cover
Adams Rite	**261-700**	**0550480**	L bracket to suit 261 magnet
Adams Rite	**261-900**	**0591650**	Armature housing for 261 magnet
STANDARD MAGLOCKS			
Adams Rite	**281-000**	**0550510**	Standard magnet unmonitored 12/24VDC
Adams Rite	**281-005**	**0550520**	Standard magnet monitored 12/24VDC
Adams Rite	**281-200**	**0589040**	Standard double magnet unmonitored 12/24VDC
Adams Rite	**281-205**	**0699210**	Standard double magnet monitored 12/24VDC
Adams Rite	**1500M630**	**0617770**	MSMaglock double monitored 12/24VDC
ACCESSORIES FOR STANDARD MAGLOCKS			
Adams Rite	**281-800**	**0550550**	Z & L bracket to suit 281 magnet
Adams Rite	**281-801**	**0567160**	Z & L bracket to suit 281 magnet with cover
Adams Rite	**281-900**	**0699220**	Rim armature housing to suit 281 magnet
Adams Rite	**281-700**	**0550540**	L bracket to suit 281 magnet
Adams Rite	**281-701**	**0597860**	L bracket to suit 281 magnet with cover
EXTERNAL MAGLOCKS			
Adams Rite	**291-005**	**0550560**	External magnet monitored IP67 12/24VDC
Securitron	**GL1-FLM**	**0642290**	Securitron Electro mechanical gate lock 900kg monitored fail locked
Securitron	**GL1-FSM**	**0642300**	Securitron Electro mechanical gate lock 900kg monitored fail safe
ACCESSORIES FOR EXTERNAL MAGLOCKS			
Adams Rite	**291-800**	**0550570**	Z bracket kit to suit 291 external magnet
Securitron	**FMK-SL**	**0642270**	Securitron GL1 Flex mount kit for sliding gate
Securitron	**FMK-SW**	**0642280**	Securitron GL1 Flex mount kit for swing gate



All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	MINI MAGLOCKS			
	Contract Locking	**EM01(B)**	**0288940**	Surface mount unmonitored 275kg maglock 12/24VDC
	Contract Locking	**EM02(B)**	**0288950**	Surface mount monitored 275kg maglock 12/24VDC
	Contract Locking	**EM04(B)**	**0288960**	Surface mount unmonitored double 275kg (per leaf) maglock 12/24VDC
A	Contract Locking	**EM05(B)**	**0288970**	Surface mount monitored double 275kg (per leaf) maglock 12/24VDC
B	Contract Locking	**ARCH2/2M(B)-TP**	**0465390**	2m 2 cut out slim architectural housing with monitored 275kg maglocks
	ACCESSORIES FOR MINI MAGLOCKS			
	Contract Locking	**EM300ZL(B)**	**0367520**	Z & L bracket set for 275kg maglock
	Contract Locking	**EM300AZLG(B)**	**0489070**	Z & L bracket set with integral cover for 275kg maglock
	Contract Locking	**EM300AL(B)**	**0367510**	Fully adjustable L bracket for 275kg maglock
	Contract Locking	**EM320(B)**	**0367530**	Surface armature housing for 275kg maglock
	STANDARD MAGLOCKS			
	Contract Locking	**EM10(B)**	**0288980**	Surface mount unmonitored 545kg maglock 12/24VDC
	Contract Locking	**EM20(B)**	**0289000**	Surface mount monitored 545kg maglock 12/24VDC
	Contract Locking	**EM60(B)**	**0289020**	Surface mount unmonitored double 545kg (per leaf) maglock 12/24VDC
	Contract Locking	**EM40(B)**	**0289010**	Surface mount monitored double 545kg (per leaf) maglock 12/24VDC
	ACCESSORIES FOR STANDARD MAGLOCKS			
	Contract Locking	**EM500ZL(B)**	**0367560**	Z & L bracket set for 545kg maglock
	Contract Locking	**EM500AZLG-DC**	**0675470**	Double covered Z & L bracket for standard maglock
	Contract Locking	**EM500AL(B)**	**0367550**	Fully adjustable L bracket for 545kg maglock
	Contract Locking	**EM520(B)**	**0367570**	Surface armature housing for 545kg maglock
	EXTERNAL MAGLOCKS			
	Contract Locking	**EXM12/24(B)**	**0367590**	Surface mount stainless steel monitored weatherproof 545kg maglock 12/24VDC

CONTRACT LOCKING SERVICES

A EM05(B)

- Top plate, armature and fixings included
- Up to 275kg (600lbs) holding force per maglock
- Full range of bracketry available
- Available as (EM04(B))
- Single maglocks also available (EM02(B))
- DS option to monitor door position can also be supplied (EM05DS(B))

CONTRACT LOCKING SERVICES

B ARCH2/2M(B)-TP

- Supplied with monitored 275kg maglocks and fitted top plate
- Suitable for double doors
- Can be cut to required length
- Door status monitoring option available
- Available in 1m lengths (ARCH1M(B)-TP)
- Vertical option available (ARCH2/2VM(B)-TP)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
MINI MAGLOCKS				
	SSP	**G10001**	**0058190**	Surface mount unmonitored 275kg maglock 12/24VDC
	SSP	**EM01-FIRE**	**0486260**	Fire rated single 275kg slim maglock, unmonitored 12/24VDC
A	SSP	**G10002**	**0058120**	Surface mount monitored 275kg maglock 12/24VDC
B	SSP	**EM02-FIRE**	**0486270**	Fire rated single 275kg slim maglock, monitored 12/24VDC
C	SSP	**EM02-ECO**	**0891530**	Eco friendly single 275kg slim maglock, monitored 12/2VDC
	SSP	**G10004**	**0058130**	Surface mount unmonitored double 275kg (per leaf) maglock 12/24VDC
	SSP	**G10005**	**0058140**	Surface mount monitored double 275kg (per leaf) maglock 12/24VDC
	SSP	**EM05-ECO**	**0891540**	Eco friendly double 275kg slim maglock, monitored 12/24VDC
ACCESSORIES FOR MINI MAGLOCKS				
	SSP	**EM300BZL**	**0082490**	Z & L bracket set for 275kg maglock
D	SSP	**EM300AZLG-DC**	**0749060**	Double covered Z & L bracket for slim maglock
	SSP	**EM300CL**	**0171090**	Fully adjustable L bracket with integral cover for 275kg maglock
	SSP	**GE320M**	**0058270**	Surface armature housing for 275kg maglock
	SSP	**GDB012**	**0132150**	Glass door saddle for 275kg maglock
	SSP	**EM300L-FIRE**	**0530180**	Adjustable L bracket to suit slim fire rated maglocks
	SSP	**EM300ZL-FIRE**	**0530170**	Z & L bracket for slim fire rated maglocks

SSP SPECIALIZED SECURITY PRODUCTS

A G10002

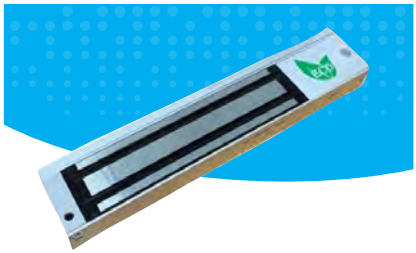
- Top plate, armature and fixings included
- Up to 275kg (600lb) holding force
- Full range of bracketry available
- Available as unmonitored (G10001)
- DS option to monitor door position can also be supplied (G10002DS)

SSP SPECIALIZED SECURITY PRODUCTS

FIRE TESTED

B EM02-FIRE

- Slim single fire rated lock-monitored magnetic lock. Compact design, making it ideal for most indoor applications where 275kg holding force is sufficient. Monitoring provides LED lock status indication and relay contacts for signalling
- Fire rated
- Fail-safe operation (power to lock)
- Top-plate, armature-plate and fixings included
- Dual voltage: 12VDC or 24VDC (selectable), lock monitored
- Holding force: up to 275kg (600lb)



SSP SPECIALIZED SECURITY PRODUCTS

ECO FRIENDLY

C EM02-ECO

- Half the power consumption all the holding force
- Holding force: Up to 275kg (600lbs)
- Low consumption energy
- Fail-safe operation (power to lock)
- Current draw: 250mA @12VDC/130mA @24VDC
- Compatible with SSP & Contract Locking associated bracket range

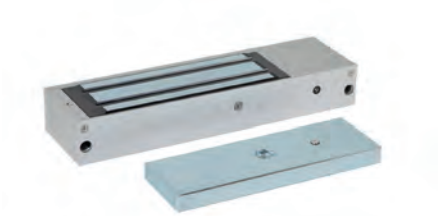
SSP SPECIALIZED SECURITY PRODUCTS

D EM300AZLG-DC

- For use on inward opening doors
- Compatible with all slim cased maglocks from SSP and Contract Locking
- Anodised aluminium finish
- Fully adjustable
- Architectural design improves aesthetics
- 2 brackets required for double magnets

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	STANDARD MAGLOCKS			
	SSP	**G10010**	**0058460**	Surface mount unmonitored 545kg maglock 12/24VDC
E	SSP	**EM10-FIRE**	**0486280**	Fire rated standard maglock, unmonitored
	SSP	**G10020**	**0058310**	Surface mount monitored 545kg maglock 12/24VDC
F	SSP	**EM20-FIRE**	**0486290**	Fire rated standard maglock, monitored
	SSP	**EM20-ECO**	**0891550**	Standard monitored ECO friendly maglock 12/24VDC
	ACCESSORIES FOR STANDARD MAGLOCKS			
	SSP	**GE300S**	**0058520**	Z & L bracket set for 545kg maglock
	SSP	**EM500AZLG**	**0346850**	Z & L bracket set with integral cover for 545kg maglock
	SSP	**EM500L**	**0069290**	Fully adjustable L bracket for 545kg maglock
	SSP	**GE320S**	**0058290**	Surface armature housing for 545kg maglock
	SSP	**EM500L-FIRE**	**0530200**	L bracket for standard fire rated maglocks
	SSP	**EM500ZL-FIRE**	**0530190**	Z & L bracket for standard fire rated maglocks
	EXTERNAL MAGLOCKS			
	SSP	**EXM12/24**	**0130020**	Surface mount stainless steel monitored weatherproof 545kg maglock 12/24VDC
	SSP	**EXT-1800**	**0790740**	External 810kg 12VDC surface maglock
	ACCESSORIES FOR EXTERNAL MAGLOCKS			
	SSP	**GL1200ZLW**	**0103280**	Z & L bracket set for EXM12/24 weatherproof 545kg maglock



SSP SPECIALIZED SECURITY PRODUCTS

E EM10-FIRE

- Fire rated standard single unmonitored magnetic lock, designed for indoor applications where 545kg holding force is required
- Fire rated
- Fail-safe operation (power to lock)
- Top-plate, armature-plate and fixings included
- Dual voltage: 12VDC or 24VDC (selectable)
- Holding force: up to 545kg (1200lbs)

SSP SPECIALIZED SECURITY PRODUCTS

F EM20-FIRE

- Fire rated standard single monitored magnetic lock, designed for indoor applications where 545kg holding force is required. Monitoring provides LED lock status indication and relay contacts for signalling
- Fire rated
- Fail-safe operation (power to lock)
- Top-plate, armature-plate and fixings included
- Dual voltage 12VDC or 24VDC (selectable)
- Lock monitoring
- Holding force: up to 545kg (1200lbs)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
EXIT BUTTONS				
	Contract Locking	**SPB001(B)**	**0464830**	Surface mount plastic exit button engraved "DOOR RELEASE"
	Contract Locking	**CLS004F**	**0489920**	Flush mount high impact green dome button screen printed "PRESS TO EXIT"
	Contract Locking	**CLS004S**	**0489910**	Surface mount high impact green dome button screen printed "PRESS TO EXIT"
	CQR	**XB/NT86/ALI**	**0893580**	Stainless steel touch free sensor exit button, 120mm read range
	CQR	**XB/SIL/PTE**	**0893540**	Stainless steel illuminated exit button, blue LED
	CQR	**XB/GDC/PTE/GBB**	**0893550**	Stainless steel green domed with collar exit button with green back box
	CQR	**XB/GDM/PTE/GBB**	**0893560**	Stainless steel green metal domed exit button with green back box
	CQR	**XB/SS/PTE/GBB**	**0893570**	Stainless steel metal push button exit button with green back box
	Elmdene	**AMS-EBIR3-RG**	**0570900**	Touch-free Passive IR exit button, stainless steel plate with 40mm diameter, indicating colour ring. Requires 12V supply, adjustable proximity range
	Elmdene	**AMS-EBIR-BOX**	**0626560**	Chrome effect plastic surface box for IR exit button - AMS-EBIR3
	Elmdene	**AMS-EBIR-BOX-SS**	**0757810**	Brushed steel metal surface box for IR exit button - AMS-EBIR3
	Elmdene	**AMS-EBIR4-BG**	**0808450**	Touch-free exit device. Large surface mount design with stylish blue LED that turns green when activated
	Elmdene	**AMS-EBIR5-RG**	**0808460**	Discreet surface mount, touch-free exit device. Red LED turns green when activated
A	Elmdene	**AMS-EBIR6-W**	**0896090**	White plastic, sleek surface mount design blue/green LED. IP65 rated
	Elmdene	**AMS-EBIR6-B**	**0896080**	Black plastic, sleek surface mount design blue/green LED. IP65 rated
	Elmdene	**AMS-EBIR7-AV**	**0896100**	Aluminium, surface mount, blue/green LED. IP65 rated with anti-vandal features
	Hikvision	**DS-K7P03**	**0785980**	Exit & Emergency button
	Paxton	**356-310**	**0217770**	Paxton exit button - E50
	Paxton	**376-310**	**0212900**	Paxton exit button - E75
	SSP	**DRB001N**	**0058220**	Surface mount plastic exit button engraved "DOOR RELEASE"
	SSP	**ARCHRXE**	**0058760**	Architrave plastic surface mount exit button engraved "DOOR RELEASE"
	SSP	**DRB002F**	**0058570**	Flush mount stainless steel exit button screen printed "PRESS TO EXIT"
	SSP	**DRB003F**	**0058650**	Flush mount 25mm stainless steel exit button screen printed "PRESS TO EXIT"
B	SSP	**DRB004F**	**0058660**	Flush mount high impact green dome button screen printed "PRESS TO EXIT"
	SSP	**SPB003F-ILLUM**	**0464800**	Flush mount 25mm stainless steel Vandal Resistant illuminated exit button
	SSP	**SPB004F(W)**	**0453380**	Weatherproof flush mount green dome exit button with finger guard
	SSP	**NT100F**	**0872750**	Flush no touch infrared exit button
	SSP	**NT200**	**0692490**	Flush mount infrared no touch button with adjustable proximity range
	SSP	**NT200-NS**	**0790770**	Narrow style no touch surface mount exit button, adjustable proximity range
C	STI	**SS3-3G14**	**0817940**	Green StopperSwitch, momentary push button
D	STI	**SS3-7G14**	**0811480**	White and green StopperSwitch, momentary push button
	STI	**SS2102-EX-EN**	**0641640**	StopperStation, green push button, key to reset, "EMERGENCY EXIT" text
	STI	**SS2401LD-EN**	**0641630**	StopperStation, blue push button, turn to reset, "LOCKDOWN" text
E	STI	**NT-CA300-EN**	**0871740**	NoTouch cast aluminium infrared switch, European single-gang
F	STI	**NT-SS001-EN**	**0871750**	NoTouch stainless steel infrared switch, Mullion mount, EXIT label
	STI	**NT-SS002-EN**	**0871760**	NoTouch stainless steel infrared switch, Mullion mount, OPEN label
G	STI	**NT-SS301-EN**	**0871770**	NoTouch stainless steel infrared switch, European single gang, EXIT
	STI	**NT-SS302-EN**	**0871780**	NoTouch stainless steel infrared switch, European single gang, OPEN
H	STI	**SS2200ZA-EN**	**0685560**	StopperStation - yellow, key to reset, custom label, UL/cUL listed
	STI	**WRP2-G-02**	**0708470**	Waterproof resettable manual call point, IP67, single pole changeover
I	STI	**WSS3-9B04**	**0298410**	Waterproof push button: latching key-to-reset
	Storm	**DS314001**	**0851090**	S30 Touchless IR motion sensing exit switch & integrated lock control relay. Outdoor rated
	Storm	**DS312001**	**0851100**	S30 Touchless IR motion sensing exit switch & integrated lock control relay. Indoor/sheltered applications
	Storm	**DS334001**	**0851110**	S30 Touchless IR motion sensing exit switch & integrated lock control relay with connection for MIFARE card reader/Wiegand compatible keypad reader. Outdoor rated
	Storm	**DS332001**	**0851120**	S30 Touchless IR motion sensing exit switch & integrated lock control relay with connection for MIFARE card reader/Wiegand compatible keypad reader. Indoor/sheltered applications

ELMDENE Protecting People & Property

A AMS-EBIR6-W

- Touch-Free Access Control devices
- To suit external installation - IP65 rated
- Designed for use in clean environments
- For use in Access Control systems
- Surface mount design
- Extended range available

SSP SPECIALIZED SECURITY PRODUCTS

B DRB004F

- Stainless steel 35mm green dome button
- Change over contact
- Ideal for high traffic environments
- Weatherproof option available (SPB004F(W))
- Surface option available (DRB004S)
- Full range of exit buttons available

STI

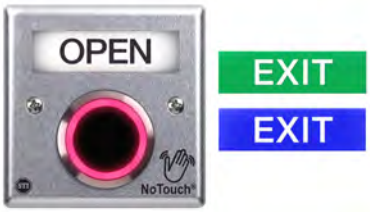
C SS3-3G14

- Green momentary push button
- Multi-function signal (double pole and single pole)
- Dual mount (wall plate and back box supplied)
- Standard function label kit or custom label available
- Additional models (keyswitch and pneumatic) and colours available
- 87Hx87Wx58Dmm

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

D SS3-7G14

- White housing with green button momentary push button
- Multi-function signal (double pole and single pole)
- Dual mount (wall plate and back box supplied)
- Standard function label kit or custom label available
- Additional models (keyswitch and pneumatic) and colours available
- 87Hx87Wx58Dmm



E NT-CA300-EN

- NoTouch® infared wave action
- Adjustable relay latch 0.5-20 seconds
- Faceplate constructed of heavy duty die cast aluminium
- Dual colour status LED
- Three interchangeable, illuminated LED message lenses included
- 87Hx87Wx10Dmm

F NT-SS001-EN

- NoTouch® infared wave action
- Allows operation of a door without touching buttons
- Adjustable relay latch 0.5-20 seconds
- Faceplate constructed of medical grade 304 stainless steel
- Dual colour status LED (green/red)
- 122Hx38Wx41Dmm

G NT-SS301-EN

- NoTouch® infared wave action
- Allows operation of a door without touching buttons
- Adjustable relay latch 0.5-20 seconds
- Faceplate constructed of medical grade 304 stainless steel
- Dual colour status LED (green/red)
- 91.5Hx91.5Wx33.6Dmm

H SS2200ZA-EN

- Key to reset button
- Custom text
- Moulded of tough polycarbonate
- Two (2) Form “C” contacts
- UL/cUL listed, ADA compliant
- 124Hx82Wx41Dmm

I WSS3-9B04

- Latching key-to-reset push button
- Dual mount
- Multi-function signal (DPC & SPC)
- Standard function marketing label sheet
- Flush mount depth = 23mm
- 87Hx87Wx58Dmm

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
EXIT BUTTON ACCESSORIES				
	SSP	**SPB-SS**	**0154720**	Aluminium spacer used to surface mount exit buttons
A	STI	**STI-1130**	**0207260**	Stopper II® - Protects MCPs, red, surface mount with sounder
B	STI	**STI-13110FR**	**0115710**	Universal Stopper, red, protection for MCPs and buttons
	STI	**STI-13120FR**	**0146830**	Universal Stopper, red, protection for MCPs and buttons with sounder
	STI	**STI-13610EG**	**0721510**	Enviro Stopper, protects MCPs from water & dust ingress
C	STI	**STI-13620EG**	**0613880**	Enviro Stopper, protects MCPs from water & dust ingress, with sounder
D	STI	**STI-14120EG**	**0877440**	Low Profile Universal Stopper green, indoor/outdoor protection for MCP
E	STI	**STI-14120FR**	**0631250**	Low Profile Universal Stopper, red, indoor/outdoor protection for MCP
	STI	**STI-15D20ML**	**0405700**	Euro Stopper multi language & cap kit, protects devices, with sounder

A STI-1130

- Protective UV-stabilised polycarbonate cover
- Deters false alarms
- 95 or 105dB warning sounder
- Surface mount - 50mm clear spacer
- UL/cUL listed
- 137Hx127Wx131Dmm

B STI-13110FR

- Protective UV-stabilised polycarbonate cover
- Surface mount, open back box
- Designed to meet the requirements of IP54
- UL/cUL listed
- 3 year guarantee against breakage in normal use
- 138Hx116Wx101Dmm

C STI-13620EG

- Protect devices against vandalism, accidental damage & ingress
- Back box achieves IP66 and the cover IP65
- European enclosed back box, 20mm thread point
- 96dB deterrent alarm
- UL/cUL listed
- 135Hx114Wx44Dmm

D STI-14120EG

- Low profile UV-stabilised polycarbonate cover
- Surface mount, open back box
- 95dB sounder with LED light
- Designed to meet the requirements of IP54
- UL/cUL listed
- 147Hx124Wx85Dmm

E STI-14120FR

- Low profile UV-stabilised polycarbonate cover
- Surface mount, open back box
- 95dB sounder with LED light
- Designed to meet the requirements of IP54
- UL/cUL listed
- 147Hx124Wx85Dmm

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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	Manufacturer	Part No.	Quick Ref.	Product Description
BREAK GLASS UNITS				
	Contract Locking	**CP22(B)**	**0453410**	Green surface mount double pole resettable break glass unit with drop down flag
	Contract Locking	**KGG200SG(B)**	**0367620**	Green surface mount double pole break glass unit
	Contract Locking	**CP3**	**0746450**	Green surface mount triple pole resettable break glass with cover
A	Contract Locking	**CP3-LSRC**	**0721070**	Green surface mount triple pole resettable break glass with LED & sounder
	CQR	**FP3/GR**	**0746740**	FP3 Surface Call Point green (standard)
	CQR	**FP3/GR/TP**	**0102090**	FP3 Surface Call Point green (triple pole)
	CQR	**FP3/GR/DP**	**0716310**	FP3 Surface Call Point green (double pole)
	CQR	**FP3/GR/TP/B**	**0633040**	Surface Call Point green triple pole with buzzer
	Hoyles	**ACP100G**	**0757800**	Alarmed Emergency release resettable call point
B	Knight	**MX54SG**	**0824630**	Green surface mount break glass unit, single pole
	Knight	**MX74SG**	**0824610**	Green surface mount break glass unit, double pole
	Knight	**MX84SG**	**0694360**	Green surface mount break glass unit, triple pole
	Knight	**MX57SWGS**	**0877360**	Waterproof single pole resettable break glass unit
	Knight	**MX77DWGS**	**0587300**	Waterproof double pole resettable break glass unit
C	Knight	**MX87TWGS**	**0877370**	Waterproof triple pole resettable break glass unit
D	Knight	**BCP01-G**	**0901040**	Selectable backlight/sounder, green surface Callpoint/Breakglass, single pole
	Knight	**BCP02-G**	**0901050**	Selectable backlight/sounder, green surface Callpoint/Breakglass, double pole
E	Knight	**BCP03-G**	**0901060**	Selectable backlight/sounder, green surface Callpoint/Breakglass, triple pole
	Knight	**MX56SG**	**0645920**	Green surface mount break glass unit for maglocks, single pole, resettable, LED
	Knight	**MX76SG**	**0735230**	Green surface mount break glass unit for maglocks, double pole, resettable, LED
	Knight	**MX86SG**	**0631750**	Green surface mount break glass unit for maglocks, triple pole, resettable, LED
	SSP	**BG1G**	**0071130**	Green surface mount single pole resettable break glass unit
	SSP	**CP22**	**0154770**	Green surface mount double pole resettable break glass unit with drop down flag
	SSP	**KGG300SG**	**0287330**	Green surface mount triple pole break glass unit
F	STI	**WRP2-G-11**	**0824870**	Waterproof resettable manual call point, IP67, double pole changeover
G	STI	**RP-GD2-11**	**0824860**	Resettable manual call point, double pole changeover, dual mounting
	STI	**STI-GLR101RM-EN**	**0642210**	Global ReSet, UL Listed resettable call point for access control

A CP3-LSRC

- Triple pole, resettable break glass
- Power 12/24VDC
- Adjustable sounder and LED
- Protective cover supplied as standard
- Single gang, surface mount
- 85Hx85Wx42Dmm (excluding cover)

B MX54SG

- Green Call Point/BGU
- Single pole
- 'Like Glass' insert (requires replacement after each activation)
- Surface mount
- No LED
- 87Hx87Wx53Dmm

C MX87TWGS

- Waterproof Green Call Point/BGU
- Triple pole
- Resettable insert plate
- Surface mount
- No LED
- 124Hx60.5Wx124Dmm

D BCP01-G

- Green Breakglass/Call Point/EDR
- Selectable backlight and buzzer
- Single pole
- Resettable
- Surface mount
- 87.5Hx87.5Wx54Dmm

E BCP03-G

- Green Breakglass/Call Point/EDR
- Selectable backlight and buzzer
- Triple pole
- Resettable
- Surface mount
- 87.5Hx87.5Wx54Dmm

F WRP2-G-11

- Green resettable weatherproof call point
- Series 11 model - double pole changeover switch arrangement
- Conforms up to IP67
- Running Man logo
- Additional colours and electrical options available
- 90Hx89Wx72Dmm

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	BIOMETRIC READER COVER			
H	STI	**STI-6520-C**	**0765960**	Bio Protector, identification reader cover protects against damage
	BREAK GLASS UNIT ACCESSORIES			
	CQR	**FP3/COVER**	**0746360**	Clear cover For FP3 Call Point
	Knight	**MX001**	**0805330**	MX range break glass reset key (pack of 10)
	Knight	**MX002**	**0877350**	MX range real glass insert for break glass units (pack of 10)
	Knight	**MX003**	**0694350**	MX range transparent hinged break glass cover
	Knight	**MX004**	**0768220**	MX range resettable insert for break glass units (pack of 10)
	Knight	**MX004E**	**0484730**	MX range resettable insert for waterproof break glass units (pack of 10)
	Knight	**MX005**	**0727830**	MX range 'like glass' insert for break glass units (pack of 10)
I	STI	**STI-15C20ML**	**0759080**	Euro Stopper multi kit, protects MCPs & buttons from misuse and damage
J	STI	**STI-6931-G**	**0417920**	Call Point Stopper, protects MCPs & buttons from accidental misuse
K	STI	**STI-13120EG**	**0146580**	Universal Stopper, indoor/outdoor protection for MCPs and buttons
L	STI	**STI-13630EG**	**0097800**	Enviro Stopper, protects MCPs from water & dust ingress, with relay
	STI	**STI-14110EG**	**0641650**	Low Profile Universal Stopper, indoor/outdoor protection for MCPs

G RP-GD2-11

- Green resettable call point
- Series 11 model - double pole changeover switch arrangement
- Dual mount (wall plate and back box supplied)
- Running Man logo
- Additional mounting, colours and electrical options available
- 87Hx87Wx58Dmm

H STI-6520-C

- Protects identification readers against vandalism and damage
- Touch UV-stabilised polycarbonate cover
- Spring loaded hinge
- 3 year guarantee against polycarbonate breakage in normal use
- Available in smoke finish
- 161Hx84Wx76Dmm (depth variation due to curvature)

I STI-15C20ML

- Prevents false fire alarms and damage to MCPs
- Polycarbonate protective cover with optional alarm
- Multi-kit allows either Fire or Access Control installation
- 3 year guarantee, 1 year on electronics
- Additional mounting and colour options available
- 104Hx96Wx58Dmm

J STI-6931-G

- Prevents low impact and accidental damage to MCPs
- Polycarbonate protective cover for MCPs and electrical switches
- For surface mount applications (flush models available)
- 3 year guarantee
- Additional colour and label options available
- 91Hx89Wx58Dmm (internal dimensions)

K STI-13120EG

- Prevents high impact damage and vandalism to MCPs
- Polycarbonate protective cover suitable for indoor/outdoor use
- Model supplied with 96dB deterrent alarm (optional)
- 3 year guarantee, 1 year on electronics
- Additional mounting and colour options available
- 138Hx116Wx101Dmm

L STI-13630EG

- Prevents damage, vandalism and ingress to MCPs
- Polycarbonate protective enclosure with alarm and relay
- Conforms up to IP66
- 3 year guarantee, 1 year on electronics
- Additional mounting and colour options available
- 135Hx114Wx44Dmm (internal dimensions)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
ANSI RELEASES				
	Adams Rite	**7113-315-652**	**0560500**	Electric strike fail safe ANSI long faceplate 12VDC
	Adams Rite	**7100-315-628**	**0556610**	Electric strike fail safe ANSI short faceplate 12VDC
	EFF EFF	**75-57R-87735Q31**	**0696010**	Multi function ANSI strike monitored short plate 12/24VAC/DC
	EFF EFF	**75-57R-87935Q31**	**0730040**	Multi function ANSI strike monitored long plate 12/24VAC/DC
	EFF EFF	**FF76-57R-88035Q31**	**0720320**	Multi function ANSI strike monitored long plate 12/24VAC/DC
	EFF EFF	**FF76-57R-87735Q31**	**0846810**	Series 76 multi function, 12/24VAC/DC short, monitored
A	SSP	**ER310-U**	**0525830**	ANSI style electric release with long and short faceplates 12/24VDC
	SSP	**ER450-1224-FIRE**	**0893850**	Fire rated monitored long & short faceplate release 12/24VDC
	Trimec	**110111-060M**	**0055630**	Electric strike fail safe/fail secure IP56 long and short faceplate 12/24VDC, round faceplate
	Trimec	**110111-160M**	**0055680**	Electric strike fail safe/fail secure IP56 long and short faceplate 12/24VDC, square faceplate
	Trimec	**110112-060M**	**0961170**	Electric strike fail safe/fail secure IP56 long and short faceplate 12/24VDC, round faceplate
	Trimec	**110112-140M**	**0079120**	Electric strike fail safe/fail secure IP56 long and short faceplate 12/24VDC, square faceplate
ACCESSORIES FOR ANSI STYLE RELEASES				
	Trimec	**210100-523**	**0054690**	13mm rebate plate for ES110 series - Aluminium
	Trimec	**219100-539**	**0554960**	Euro sash faceplate - right hand
	Trimec	**220110-502**	**0621590**	15mm extension lip to suit ES110 series
	Trimec	**220110-503**	**0054820**	25mm extension lip to suit ES110 series
	Trimec	**220110-504**	**0054800**	50mm extension lip to suit ES110 series
RIM RELEASES				
	Trimec	**110151-010M**	**0055200**	Surface mount electric strike 12VDC fail unlocked IP56, fail safe/fail secure
ELECTRIC RELEASES				
	Adams Rite	**7400-628**	**0550590**	ULTRALINE electric strike 12/24VAC/DC SAA
	Adams Rite	**7400M628**	**0592660**	ULTRALINE electric strike 12/24VAC/DC SAA monitored
	EFF EFF	**FFDC700FT0-FDEV1**	**0881930**	DC700GFT DC and 332 strike in housing 24VDC inward
	EFF EFF	**FFDC700FT1-FDEV1**	**0881940**	DC700GFT DC and 332 strike in housing 24VDC outward
	EFF EFF	**FF118.13------A71**	**0846700**	118 F/L PROFIX2 body only 12-24VAC/DC
	EFF EFF	**FF118F.13-----A71**	**0846710**	Fire rated 118 PROFIX, fail locked 12-24VAC/DC body only
	EFF EFF	**FF332.238-----F91**	**0775780**	332 PROFIX2 fail unlocked body only 24VDC
	EFF EFF	**FF807-12-------00**	**0846730**	Adjustable latch RAD FP SS
	EFF EFF	**FF14-----26302E31**	**0846740**	14 fail unlocked grey short 12VDC
	EFF EFF	**FF17-----35440E44**	**0846750**	17 fail unlocked UPVC zinc 12VDC L/H
	EFF EFF	**FF17-----35440E45**	**0846760**	17 fail unlocked UPVC zinc 12VDC R/H
	EFF EFF	**FF-------66B35-01**	**0846770**	PROFIX2 long face plate stainless steel 44mm for wood
	EFF EFF	**FF-------64B35-01**	**0846780**	PROFIX2 short face plate stainless steel 44mm for wood
	EFF EFF	**FF-------67B35-01**	**0846790**	PROFIX2 long face plate stainless steel 54mm for wood
	EFF EFF	**FF-------65B35-01**	**0846800**	PROFIX2 short face plate stainless steel 54mm for wood
	Trimec	**112100-000**	**0558740**	Multi function electric strike 0-30VDC fully monitored
	Trimec	**112100-010**	**0558760**	Multi function electric strike 0-30VDC fully monitored no lip
	Trimec	**112401-000**	**0055330**	High security electric strike monitored 12VDC stainless steel to suit timber doors
EUROPEAN STYLE RELEASES				
	Contract Locking	**M1SAF(B)**	**0464920**	Mortice euro style release fail unlocked 12VDC

SSP SPECIALIZED SECURITY PRODUCTS

A ER310-U

- Switchable between fail-safe and fail secure
- Reversible
- 25mm and 50mm lip extensions available
- Monitored options available
- Supplied with long and short faceplates

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
LOCK KITS				
	Abloy	**Package 7E-F/UN**	**0790050**	Comprises EL402F/UN, LP711 strike, EA211 cable, DL8 loop and CY080 cylinder and push pad
	Abloy	**Package 5E-65MM**	**0790070**	Comprises EL520-65MM, CY326-VL cylinder, EA280 loop and 60-0119 handle
	Abloy	**Package 1E-65MM**	**0790080**	Comprises EL560-65MM, CY326-VL cylinder, EA280 loop and 60-0319 handle
	Abloy	**Package 2-65MM**	**0820150**	Comprises EL561-65MM, CY327-VL cylinder, EA280 loop and 60-0319 handle
	Abloy	**Package 1P-65MM**	**0820160**	Comprises EL560-65MM, CY326-VL cylinder, EA280 loop and PBE011 panic bar - EL560
	Abloy	**Package 5P 65MM**	**0677430**	Comprises EL520-65MM, CY326-VL cylinder, EA280 loop and PBE011 panic bar - EL520
	Abloy	**Package 9E-50mm**	**0820170**	Comprises EL580, CY037-VL cylinder, EA280 loop, 3-20/032 handle
	Abloy	**Package 9P-50mm**	**0820190**	Comprises PE580-50, CY037-VL cylinder, EA280 loop, EA210 cable, PBE001 panic bar 3-20/0321 handle
LOCKS				
	Abloy	**EL402**	**0623300**	Solenoid operated Scandinavian lock case 12/24VDC fail locked
	Abloy	**EL402F/UN**	**0454280**	Solenoid operated Scandinavian lock case 12/24VDC fail unlocked
	Abloy	**EL460-35MM**	**0297080**	Narrow style solenoid handle DIN lock 12/24VDC 35mm
	Abloy	**EL461-35MM**	**0372610**	Narrow style solenoid handle operated DIN lock 12/24VDC 35mm
	Abloy	**EL560-65MM**	**0255910**	Solenoid handle operated DIN lock 12/24VDC 65mm outside handle control
	Abloy	**EL561-65MM**	**0275580**	Solenoid handle operated DIN lock 12/24VDC 65mm both handle controlled
	Abloy	**EL566-65-1760MM**	**0698130**	Multipoint solenoid handle operated DIN lock 12/24VDC 65mm
	Abloy	**EL580-50MM**	**0235240**	Solenoid handle operated scan lock 12/24VDC 50mm outside handle controlled
	Abloy	**EL590**	**0449810**	Motorised scan lock 12/24VDC 50mm free egress via lever handle
	Abloy	**EL532-65MM**	**0846200**	Motorised DIN lock 12/24VDC 65mm internal handle control
	EFF EFF	**FF351U80-12V-44MM**	**0368530**	Escape lock 12VDC comes with 44mm stainless steel plate
	EFF EFF	**FF351M.80-----N91**	**0730060**	Quiet motorised lock 12-48VDC, 25mm strike plate
B	EFF EFF	**FF352M.80-----Q91**	**0877270**	Quiet motorised escape lock 12-24VDC, 25mm strike plate
C	SSP	**ML-210**	**0515640**	Electromechanical monitored lock switchable fail safe/fail secure 12/24VDC
	Trimec	**118001-010**	**0355320**	V-Lock 12-24VDC fail safe monitored
	Trimec	**118002-010**	**0355330**	V-Lock 12-24VDC fail secure monitored
ACCESSORIES				
	Trimec	**218000-000**	**0355340**	ES8000 V-Lock glass door housing (2 pieces required for glass on glass installations)

effeff
ASSA ABLOY

B FF352M.80-----Q91

- Tested and approved in accordance with EN 13637
- For single/double action doors along escape routes
- Extremely silent locking and unlocking
- Very high holding force: 5,000 N
- Accessories: Surface mounted housing

SSP SPECIALIZED SECURITY PRODUCTS

C ML-210

- Switchable fail safe/fail secure
- Dual voltage 12/24VDC
- Includes strike plate
- Lock monitored

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
SOLENOID LOCKS				
	Adams Rite	**1391-1042**	**0550580**	Solenoid bolt 12VDC fail safe
	Contract Locking	**EB250**	**0557050**	Flush mount monitored fail safe solenoid bolt 12VDC
	SSP	**EB150**	**0579040**	Flush mount monitored fail safe micro solenoid bolt 12VDC
	SSP	**EB180**	**0178070**	Flush mount monitored fail safe solenoid bolt 12/24VDC
	Trimec	**188251-010**	**0055480**	TB25 Drop bolt 12-24VDC fail safe
	Trimec	**188252-010**	**0055500**	TB25 Drop bolt 12-24VDC fail secure
	Trimec	**188252-510**	**0157980**	TB25 Drop bolt 12-24VDC fail secure with key override
	Trimec	**116001-010**	**0138060**	ES6001S-TA Hookbolt 12-30VDC fail safe
	Trimec	**116002-010**	**0163640**	ES6002S-TA Hookbolt 12-30VDC fail secure
SHEARLOCKS				
	SSP	**SL183**	**0602950**	Flush mount monitored shearlock 12/24VDC
INTERLOCKS				
A	Hoyles	**IG432**	**0556160**	Door interlock controller unit for 2/3/4 doors (steel case & 5Amp PSU)
	Hoyles	**IG432K2**	**0584730**	Complete door interlock kit for 2 doors

HOYLES

A IG432

- Based on the IG432 controller, this kit includes everything you need for a 2 door interlock system excluding door locks, contacts and cable
- The kit comprises: 1 x IG432 - controller with PSU, 4 x S1718S - release button with status LEDs, 1 x S1719S - maintenance key switch, 2 x MCP-GS-02 - emergency release. Comprehensive fitting instructions
- Integral 12VDC 5A power supply
- Fire alarm input functions
- Privacy facility
- Status indication at each door
- Adjustable dwell time

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	FIREMAN SWITCHES			
	SSP	**FS/DK/S**	**0598860**	Surface mount stainless steel fireman switch
	DOOR LOOPS			
	SSP	**DL450**	**0058370**	Armoured door loop surface mounted, aluminium end caps
	KEY SWITCHES			
	SSP	**KGG1SG-KS**	**0541090**	Surface mount 2 position key switch housed in a green break glass unit
	SSP	**KS/EURO/S/MA**	**0275240**	Surface stainless steel maintained single pole euro profile key switch
	SSP	**KS/EURO/S/MO**	**0317780**	Surface stainless steel momentary single pole euro profile key switch
B	STI	**SS3-7042**	**0819000**	StopperSwitch - white 2 position key switch, double pole changeover
	RELAYS			
	SSP	**VHLR**	**0189470**	Double pole relay board 12/24VAC
	TIMER			
C	Hoyles	**TMR100**	**0652350**	Multi function programmable time clock and timer

B SS3-7042

- White, 2 position key switch
- Double pole changeover switch arrangement
- Dual mount (35m black back box supplied)
- Standard function marking or custom label available
- Additional switch types and colour options
- 87Hx87Wx58Dmm

C TMR100

- Programmable timer
- 12VDC
- Volt free relay output
- Momentary or latched action
- PIN code protection of settings
- Adjust for summer/winter time
- Remote input for timer relay function

MARKET OPPORTUNITIES – RETAIL & DISTRIBUTION

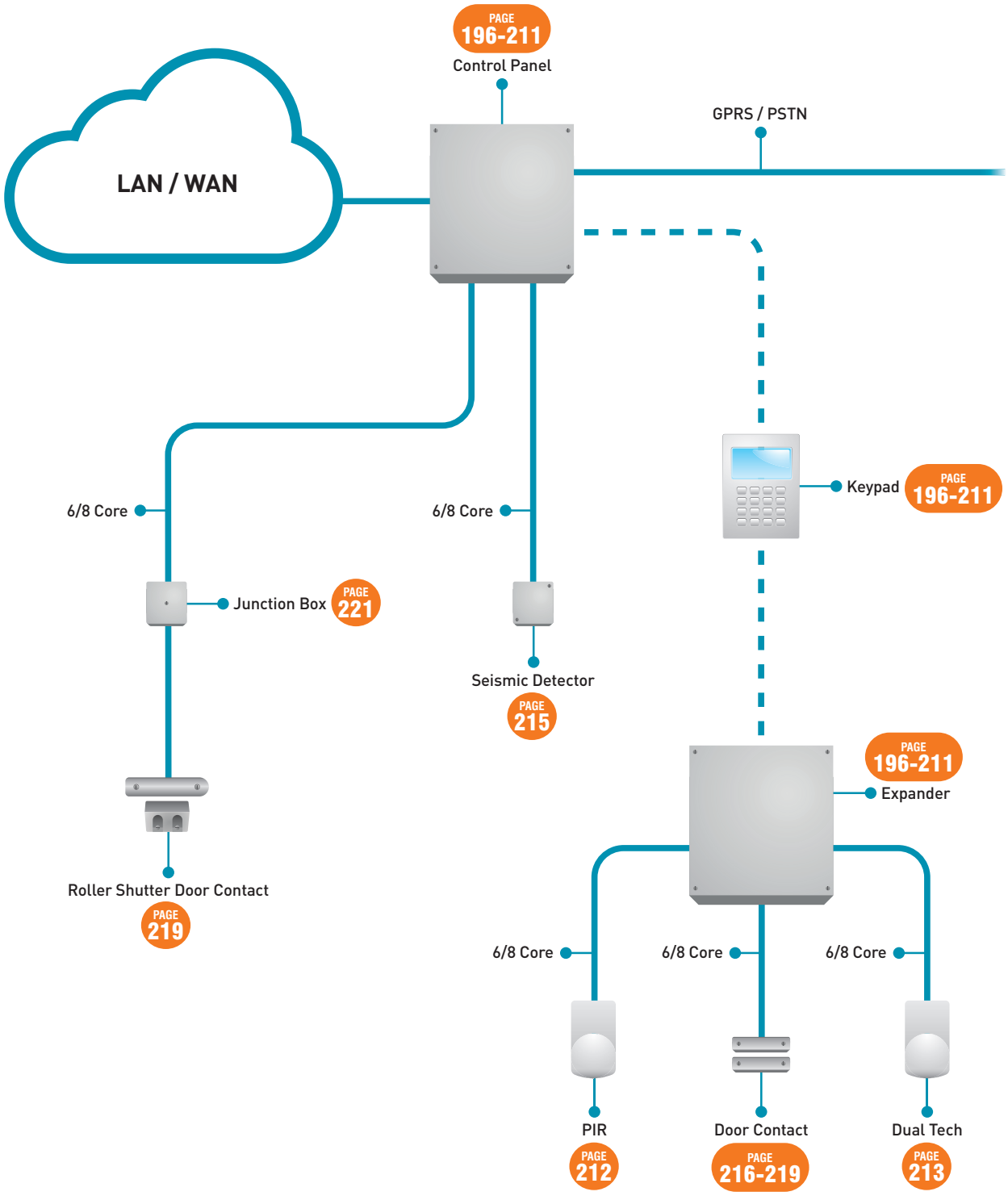
Covering the Retail industry and exploring ways you can capitalise on your skills as an installer. Find new customers in this sector or increase existing customer spend.

Take a look at the opportunity for a variety of security solutions on the high street and in distribution centres.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

INTRUDER DETECTION

An Intrusion alarm is a system designed to detect unauthorised entry to a building or predefined area. The below schematic shows the main products/components of an Intrusion system.



INTRUDER DETECTION
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	Manufacturer	Part No.	Quick Ref.	Product Description
CONTROL PANELS & KITS/BUNDLES				
	Eaton Electrical Products	**09448EUR-90**	**0492970**	7 zone control panel with on-board keypad
	Eaton Electrical Products	**09448EUR-95**	**0492980**	7 zone blank endstation, with remote keypad
A	Eaton Electrical Products	**i-on10-K**	**0806600**	10 zone wired panel with keypad PD6662:2017 Grade 2 non expandable
B	Eaton Electrical Products	**i-on10-KP**	**0806610**	10 zone wired panel with prox keypad PD6662:2017 Grade 2 non expandable
C	Eaton Electrical Products	**i-on40H-KPZ**	**0642140**	40 zone hybrid control panel, expandable up to 80 with KEY-KPZ keypad
D	Eaton Electrical Products	**i-onG2SM-KPZ**	**0586850**	10 zone hybrid control panel, expandable up to 50 with KEY-KPZ keypad
E	Eaton Electrical Products	**i-onG3MM-KPZ**	**0586860**	10 zone hybrid control panel, expandable up to 200 with KEY-KPZ keypad
F	Eaton Electrical Products	**i-onG3LM-KPZ**	**0806620**	10 zone hybrid control panel, expandable up to 400 with KEY-KPZ keypad
	Eaton Electrical Products	**i-on10-KIT-00**	**0893410**	i-on10-K wired kit including 3x PIR, 1x door contact, 1x external sounder
	Eaton Electrical Products	**i-on10-KIT-01**	**0893500**	i-on10-K wired kit including 3x PIR, 1x door contact
	Eaton Electrical Products	**i-on40H-KIT-RKP**	**0893420**	i-on40H radio kit containing 3x PET PIR, 1x door contact, 5x prox tags, 1x radio keypad
	Eaton Electrical Products	**i-on40H-KIT-RKP-BL**	**0893430**	i-on40H radio kit containing 3x PET PIR, 1x door contact, 5x prox tags, 1x radio keypad, 1x blue sounder base
	Eaton Electrical Products	**i-on40H-KIT-WKP**	**0893440**	i-on40H radio kit containing 3x PET PIR, 1x door contact, 5x prox tags, 1x wired keypad
	Eaton Electrical Products	**i-on40H-KIT-WKP-BL**	**0893450**	i-on40H radio kit containing 3x PET PIR, 1x door contact, 5x prox tags, 1x wired keypad, 1x blue sounder base

EATON Powering Business Worldwide

A i-on10-K

- 10 zone capacity
- Supplied with keypad
- Entry level Grade 2 alarm system
- 10 users
- Successor to the popular Scantronic 9651
- 239x250x90mm

EATON Powering Business Worldwide

B i-on10-KP

- 10 zone capacity
- Supplied with Prox keypad
- Entry level Grade 2 alarm system
- 10 users
- Successor to the popular Scantronic 9651
- 239x250x90mm

C

EATON Powering Business Worldwide

i-on40H-KPZ

- 40 zone hybrid control panel
- 1000 event log
- 50 user codes, Prox or remote setting
- Accepts 20 BUS devices
- Built-in Ethernet
- 384x245x94mm

The i-on40H is a highly versatile control panel, expandable up to 80 hybrid zones. It is suitable for larger floor plans and properties with outbuildings and is compatible with Eaton's full range of wired and radio peripherals and plug on communicators.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

D

Powering Business Worldwide

i-onG2SM-KPZ

- 50 zone capacity
- 1500 event log
- SD card or cloud update
- Accepts 20 BUS devices
- PSTN, GSM or 4G
- 239x250x90mm

The i-onG2SM is a Grade 2 control panel with 10 zones on board, expandable to 50, and feature-packed to deliver you real benefits. Built with cyber security in its DNA the i-onG2SM is Secure Connect™ Cloud and App enabled.

E

Powering Business Worldwide

i-onG3MM-KPZ

- 200 zone capacity
- 3000 event log
- SD card or cloud update
- 200 users
- Built-in Ethernet
- 320x402x102mm

The i-onG3MM is a Grade 2 or Grade 3, 10 zone intruder alarm panel designed for mid-sized installations such as office blocks or warehouses. Expandable up to 200 zones, it features fully supervised zones (FSL), a performance bus with audible device location and decimal expansion to ensure simple servicing.

Powering Business Worldwide

F

i-onG3LM-KPZ

- 400 zone capacity
- 6000 event log
- 400 users
- SecureConnect enabled
- Built-in Ethernet
- 427x402x102mm

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
EXPANDERS/PSUS				
	Eaton Electrical Products	**EXP-PSU-SM**	**0806630**	1 Amp 10 zone intelligent powered expander in small plastic housing
	Eaton Electrical Products	**EXP-PSU-MM**	**0806640**	2 Amp 10 zone intelligent powered expander in medium metal housing
	Eaton Electrical Products	**EXP-PSU-LM**	**0803410**	3 Amp 10 zone intelligent powered expander in large metal housing
	Eaton Electrical Products	**EXP-W10**	**0493370**	10 zone wired expander
	Eaton Electrical Products	**08600EUR-00**	**0493850**	Eight relay output card
	Eaton Electrical Products	**I-RC01**	**0494010**	Four relay output card
KEYPADS/READERS & FOBS				
	Eaton Electrical Products	**09427EUR-80**	**0492960**	Keypad for 9448
	Eaton Electrical Products	**KEY-K01**	**0493600**	Wired keypad
	Eaton Electrical Products	**KEY-KP01**	**0493610**	Wired keypad with built-in proximity reader
A	Eaton Electrical Products	**KEY-KPZ01**	**0493620**	Wired keypad with built-in proximity reader and 2 zone inputs
	Eaton Electrical Products	**MKP3**	**0494070**	Keypad for M series
	Eaton Electrical Products	**KEY-EP**	**0493540**	External proximity reader
	Eaton Electrical Products	**PROXTAGPK5**	**0494020**	Pack of 5 tags
COMMUNICATIONS				
	Eaton Electrical Products	**08400UK-21**	**0492930**	Communicator 8 channel 12VDC for intruder devices
	Eaton Electrical Products	**COM-SD-PSTN**	**0686170**	Plug-on digital communicator by recorded message and SMS via PSTN
	Eaton Electrical Products	**COM-SD-GSM**	**0806650**	Plug-on digital communicator by recorded message and SMS via GSM
	Eaton Electrical Products	**I-WIFI01**	**0493530**	Plug-on WiFi adaptor
	Eaton Electrical Products	**SD1-UK**	**0493670**	Standalone speech dialler via PSTN, up to four recipients
	Eaton Electrical Products	**SD3**	**0493680**	Standalone speech dialler, via PSTN and GSM
	Eaton Electrical Products	**SD-GSM**	**0493660**	Standalone speech dialler, via GSM
	Eaton Electrical Products	**TSD2-UK**	**0493800**	Standalone speech dialler via PSTN, up to ten recipients
	Eaton Electrical Products	**COM-DATA-4G**	**0586870**	Eaton SecureConnect 4G cloud communicator
	Eaton Electrical Products	**COM-DATA-4G-WIFI**	**0893470**	Eaton SecureConnect 4G & WiFi cloud communicator
	Eaton Electrical Products	**COM-DATA-WIFI**	**0893480**	Eaton SecureConnect WiFi cloud communicator
	Eaton Electrical Products	**COM-ANT-02**	**0893490**	Optional 5m external antenna for COM-DATA-XXX
	Eaton Electrical Products	**COM-ADPT-02**	**0893510**	Compatibiltilty board for COM communicators to older i-on panels
	Eaton Electrical Products	**COM-ADPT-03**	**0893520**	Compatibiltilty board for 02 communicators and 3rd party coms to new i-on panels
ACCESSORIES				
	Eaton Electrical Products	**ADP-10CC**	**0493910**	4 wire CC adaptor board for i-on Gen2
	Eaton Electrical Products	**TS5158S2**	**0494050**	Zone omit module
	Eaton Electrical Products	**COM-ANT-01**	**0684850**	Optional external antenna for COM-DATA-4G
	Eaton Electrical Products	**MISC-COMPACK12**	**0806660**	Free of charge 12 channel cable harness for i-on40H & i-onG2SM
	Eaton Electrical Products	**MISC-COMPACK16**	**0806670**	Free of charge 16 channel cable harness for i-onG3MM & i-onG3LM

Powering Business Worldwide

A KEY-KPZ01

- Navigation key - easily accessible user/installer menus
- Status LED turns on/off within keypad menu
- An internal prox reader
- Built-in panic button enabled in programming
- One programmable transistorised output
- External prox reader connections, KEY-EP

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
CONTROL PANELS & KITS/BUNDLES			
HKC	**UKSW-10270T**	**0868820**	SW 10270 (wired touch white keypad)
HKC	**UKSW-10270TBK**	**0859490**	SW 10270 (wired touch black keypad)
EXPANDERS/PSUS			
HKC	**UKSW-EXT10**	**0675250**	SW 10270 Prox (with wired keypad)
HKC	**UK/SW-EXT10B**	**0773000**	10 zone expander for use with SW 1070 & SW 20140
HKC	**UK/SW-0P8**	**0182340**	8 zone output cards designed for use with HKC wired & hybrid control panels
KEYPADS/READERS & FOBS			
HKC	**UK/RKP-SLPRXA**	**0773030**	Keypad (slimline) with Prox
HKC	**UKSW-PRXTAG**	**0585370**	Prox tag (individual)
COMMUNICATIONS			
HKC	**UKGSM-WiFi**	**0754320**	GSM-SecureComm with world SIM and WiFi
HKC	**UKLan-Card**	**0798400**	Ethernet Adaptor card - SecureComm
HKC	**UKWiFi-Card**	**0097810**	WiFi card - SecureComm

NORBAIN BASICS – MOUNTING OF DETECTORS

If it's your job to mount intruder security detectors in the right place, this video is possibly the most exciting footage to cross your path all year!

Our man Buzz Coates takes you through a very handy overview of how a PIR works and how to correctly install one, either internally or externally.

NORBAIN BASICS – GRADING SYSTEMS ON ALARM PANELS

Intruder Detection Systems – learn about the different grades of detectors and where they are best suited for security installation.

In this video, we examine how to match the level of risk to the appropriate detector and give you the background on how the gradings are determined.

All useful stuff, whether you're new to security installation or just want a quick refresher.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
CONTROL PANELS & KITS/BUNDLES				
	Honeywell	**C005-S-E1**	**0668860**	Grade 2, 20 zone metal box
	Honeywell	**C005-E1-K21**	**0673730**	Grade 2, 20 zone metal box + MK7 keypad
	Honeywell	**C005-E1-K22**	**0668870**	Grade 2, 20 zone metal box + MK7 keyprox
	Honeywell	**C005-E1-K21I**	**0585440**	Grade 2, 20 zone metal box + MK7 keypad + Ethernet
	Honeywell	**C005-E1-K22I**	**0668920**	Grade 2, 20 zone metal box + MK7 keyprox + Ethernet
	Honeywell	**C005-E1-K01**	**0674990**	Grade 2, 20 zone polycarbonate + MK7 keypad
	Honeywell	**C005-E1-K02**	**0668910**	Grade 2, 20 zone polycarbonate + MK7 keyprox
	Honeywell	**C005-E1-K01I**	**0585450**	Grade 2, 20 zone polycarbonate + MK7 keypad + Ethernet
	Honeywell	**C005-E2-K02I**	**0585460**	Grade 2, 20 zone polycarbonate + MK7 keyprox + Ethernet
	Honeywell	**C006-S-E1**	**0585470**	Grade 2, 50 zone metal box
	Honeywell	**C006-E1-K22**	**0673880**	Grade 2, 50 zone metal box + MK7 keyprox
	Honeywell	**C006-E1-K01**	**0585480**	Grade 2, 50 zone polycarbonate + MK7 keypad
	Honeywell	**C006-E1-K02**	**0668890**	Grade 2, 50 zone polycarbonate + MK7 keyprox
	Honeywell	**C006-E1-K01I**	**0585490**	Grade 2, 50 zone polycarbonate + MK7 keypad + Ethernet
	Honeywell	**C006-E1-K02I**	**0585500**	Grade 2, 50 zone polycarbonate + MK7 keyprox + Ethernet
	Honeywell	**C007-E1-K01**	**0585510**	Grade 2, 100 zone polycarbonate + MK7 keypad
	Honeywell	**C007-E1-K02**	**0585520**	Grade 2, 100 zone polycarbonate + MK7 keyprox
	Honeywell	**C007-E1-K01I**	**0585530**	Grade 2, 100 zone polycarbonate + MK7 keypad + Ethernet
	Honeywell	**C007-E1-K02I**	**0585540**	Grade 2, 100 zone polycarbonate + MK7 keyprox + Ethernet
	Honeywell	**C005-M-E1**	**0668900**	Grade 2, Flex 20 panel 10Ah box
	Honeywell	**C006-M-E1**	**0668880**	Grade 2, Flex 50 panel 10Ah box
	Honeywell	**C007-M-E1**	**0585550**	Grade 2, Flex 100 panel 10Ah box
A	Honeywell	**C048-D-E1**	**0668790**	Grade 3, Galaxy Dimension GD-48 control panel
	Honeywell	**C048-D-H1**	**0585560**	Grade 3, Galaxy Dimension GD-48 control panel (CPNI approved)
	Honeywell	**C048-D-E1-KPD**	**0668830**	Grade 3, Galaxy Dimension GD-48C control panel + KPD (C048-D-E1 x 1, CP037-01 x 1)
	Honeywell	**C048-D-E1-PROX**	**0668800**	Grade 3, Galaxy Dimension GD-48C control panel + KPX (C048-D-E1 x 1, CP038-01 x 1)
	Honeywell	**C048-D-E1-PRX4G**	**0585570**	Grade 3, Galaxy Dimension GD-48D prox kit GR E1 (C048-D-E1x1, CP038-01x1, YX0-0020x4)
	Honeywell	**C096-D-E1**	**0668810**	Grade 3, Galaxy Dimension GD-96 control panel
	Honeywell	**C096-D-H1**	**0585590**	Grade 3, Galaxy Dimension GD-96 control panel (CPNI approved)
	Honeywell	**C264-D-E1**	**0668840**	Grade 3, Galaxy Dimension GD-264 control panel
	Honeywell	**C264-D-H1**	**0585620**	Grade 3, Galaxy Dimension GD-264 control panel (CPNI approved)
	Honeywell	**C520-D-E1**	**0668820**	Grade 3, Galaxy Dimension GD-520 control panel
	Honeywell	**C520-D-H1**	**0585640**	Grade 3, Galaxy Dimension GD-520 control panel (CPNI approved)
	Honeywell	**C015-E1-K12**	**0668940**	Grade 2/3 Control Panel Flex+ 20 large box with MK7 keyprox
	Honeywell	**C015-E1-K14**	**0585670**	Grade 2/3 Control Panel Flex+ 20 large box with MK8 keyprox
	Honeywell	**C016-E1-K12**	**0668960**	Grade 2/3 Control Panel Flex+ 50 large box with MK7 keyprox
	Honeywell	**C016-E1-K14**	**0585680**	Grade 2/3 Control Panel Flex+ 50 large box with MK8 keyprox
	Honeywell	**C017-E1-K12**	**0667870**	Grade 2/3 Control Panel Flex+ 100 large box with MK7 keyprox
	Honeywell	**C015-L-E1**	**0668930**	Grade 2/3 Control Panel Flex+ 20 large box
	Honeywell	**C016-L-E1**	**0668950**	Grade 2/3 Control Panel Flex+ 50 large box
	Honeywell	**C017-L-E1**	**0585690**	Grade 2/3 Control Panel Flex+ 100 large box
B	Honeywell	**MPIP2000E**	**0806690**	MAXPRO Intrusion 60 zone panel. Star & 1x IB config. (MPIBXM35 needed)
	Honeywell	**MPIP2100E**	**0806700**	MAXPRO Intrusion 150 zone panel. 1x I.Bus config. (MPIBXM35 needed)
	Honeywell	**MPIP3000E**	**0806710**	MAXPRO Intrusion 300 zone panel. 2x I.Bus config. (MPIBXM35 needed)
	Honeywell	**MPIP2KIT01**	**0806830**	MAXPRO Intrusion kit including MPIP2000E, MPIBXM35, MPIKTSPRX
	Honeywell	**MPIP2KIT02**	**0806840**	MAXPRO Intrusion kit including MPIP2000E, MPIBXM35, MPIKTSPRX, MPIKTSPRX

Honeywell

A C048-D-E1

- Dimension 48 zone panel
- Grade 2/Grade 3 compliance
- E080-10 Ethernet module for Cloud & WINPAK connection
- GX remote App available FOC

Honeywell

B MPIP2000E

- 60 Zone Intrusion panel
- MaxPro Cloud connected
- Free wire topology (chain, star or spur)
- Map based configuration and management
- Mobile App (live view & multi location management)
- Integration with Honeywell Video and Access Control

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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security delivered

Intruder Detection
with Norbain

EXPERT ADVICE FOR YOUR INTRUDER REQUIREMENTS

Did you know that Norbain have the best stockholding of a wide range of the biggest brands in the Intruder market, including Honeywell, Texecom and Eaton Scantronic to name a few?

Plus, with our next day and timed deliveries and no quibble returns policy, we've got the knowledge, products and service to support your next Intruder project. And because we're also experts in integrated solutions, we can help advise you on all aspects of CCTV, Access Control and Intruder Detection systems.

Why not get in touch to see how we can support your next project.

Want to find out more about how norbain can support your business? **Contact us today:**

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	Manufacturer	Part No.	Quick Ref.	Product Description
	EXPANDERS/PSUS			
	Honeywell	**C072**	**0669060**	Galaxy RIO boxed (Grade 3)
	Honeywell	**P026-01-B**	**0669100**	Galaxy power RIO boxed
A	Honeywell	**MPIBXM35**	**0806730**	MAXPRO INT encl+PSU medium 3,5A
B	Honeywell	**MPIBXM0**	**0806740**	MAXPRO INT encl spare metal cabinet
	Honeywell	**MPIPSU35**	**0806750**	MAXPRO Intrusion PSU 3Amp
C	Honeywell	**MPIEIO84E**	**0806810**	MAXPRO Intrusion IB 8 inputs/4 outputs expander module (RIO)
	Honeywell	**MPIEOP4**	**0806820**	MAXPRO Intrusion 4 relay expander module
	KEYPADS/READERS & FOBS			
	Honeywell	**CP037-01**	**0668980**	Galaxy MK7 keypad
D	Honeywell	**CP038-01**	**0668970**	MK7 keyprox ASK format
	Honeywell	**CP038-01-H**	**0668990**	MK7 keyprox ASK/HID format
	Honeywell	**CP050-00-01**	**0566730**	Galaxy MK8 keypad-ENG
	Honeywell	**CP051-00-01**	**0669000**	Galaxy MK8 keyprox ASK-ENG
	Honeywell	**MX04-NC**	**0580400**	MAX 4 prox reader standard
	Honeywell	**YX0-0002**	**0585720**	Card prox Intruder Galaxy MAX
	Honeywell	**YX0-0004**	**0669120**	MAX drop keytags XK-2
	Honeywell	**YX0-0020**	**0669130**	ASK Prox tag, 125KHz, ABS, grey
	Honeywell	**MPIKTSPRX**	**0806760**	MAXPRO INT Touchscreen keypad Prox
E	Honeywell	**MPIKTSMF**	**0806770**	MAXPRO Intrusion touchscreen keypad with Prox & MIFARE
	Honeywell	**MPIKW1**	**0806780**	MAXPRO Intrusion large wallplate for MPIKTSPRX & MPIKTSMF retrofits
	COMMUNICATIONS			
F	Honeywell	**MPICLTEE**	**0806800**	MAXPRO Intrusion 3G/4G (LTE) module
	INTEGRATED ACCESS CONTROL			
	Honeywell	**C080**	**0669090**	Galaxy door control module
	Honeywell	**C081**	**0562840**	Galaxy Power door control module
G	Honeywell	**MPIDC1**	**0806790**	MAXPRO Intrusion door control 1 door/2 Wiegand readers

Honeywell

A MPIBXM35

- MPI metal enclosure with transformer
- Works with MPIPSU35 & MPIEIO84E to create a RIO
- Same enclosure design as MPI panel
- Can house multiple panels for smarter install

Honeywell

B MPIBXM0

- MPI metal enclosure without transformer
- Same enclosure design as MPI panel
- Can house multiple panels for smarter install

Honeywell

C MPIEIO84E

- MPI zone expander
- Up to 8 hard wire zones (EOLR, NO or NC)
- Lid and off-wall tamper protection
- 4 low Volt trigger outputs

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
AUDIO/CONFIRMATION			
Honeywell	**C084**	**0585780**	Audio interface module boxed
ACCESSORIES			
Honeywell	**A170**	**0669040**	Galaxy Tamper kit -M/switch
Honeywell	**C086**	**0576780**	Reader Intrusion Dimension PC

Honeywell

D CP038-01

- Galaxy Mk7 keyprox
- 125KHz Prox version
- Works with Dimension & Flex panels

Honeywell

E MPIKTSMF

- MPI touchscreen keypad
- MIFARE 32-bit or 56-bit card type support
- Proximity card reader for up to 40-bit cards
- Lid and off-wall tamper protection
- Built-in sounder with adjustable volume, unique alarms
- Control options: PIN code or proximity card reader

Honeywell

F MPICLTEE

- MPI 4G/LTE module
- Backup path for Ethernet connection
- Two SMA cable/SMA isolator/SMA antenna sets
- Cellular radio communication
- Supported CSL version

Honeywell

G MPIDC1

- MPI Door Controller (DCM)
- Single door control for connection to control panel
- Programmable 12VDC relay for door lock
- Two readers selectable for entry or exit
- Lid and off-wall tamper protection

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
CONTROL PANELS & KITS/BUNDLES				
	Texecom	**CAA-0004**	**0583510**	Premier Elite 24 - Metal control panel with up to 24 zones (8 on-board), 2 areas, 4 keypads and 25 user codes
	Texecom	**CAA-0026**	**0583520**	Premier Elite 24 - Polymer control panel with up to 24 zones (8 on-board), 2 areas, 4 keypads and 25 user codes
	Texecom	**CAB-0001**	**0583540**	Premier Elite 48 - Metal control panel with up to 48 zones (8 on-board), 4 areas, 4 keypads and 50 user codes
	Texecom	**CAC-0001**	**0583570**	Premier Elite 88 - Metal control panel with up to 88 zones (8 on-board), 8 areas, 8 keypads and 100 user codes
	Texecom	**CAD-0001**	**0583580**	Premier Elite 168 - Metal control panel with up to 168 zones (8 on-board), 16 areas, 16 keypads and 200 user codes
	Texecom	**CAE-0001**	**0583590**	Premier Elite 640 - Metal control panel with up to 640 zones (0 on-board), 64 areas, 64 keypads and 1000 user codes
	Texecom	**KIT-1005**	**0862330**	1 x Premier Elite 48 Metal, 1 x Premier LCDP, 5 x Proximity tags, 1 x Premier Elite 32XP-W, 2 x Capture Q20 (Quad. Pet Selectable), 2 x Capture D20 (Dual Tech. Pet selectable), 2 x Impaq SC-W
	Texecom	**KIT-0008**	**0583550**	1 x Premier Elite 48, 1 x LCDP keypad
EXPANDERS/PSUS				
	Texecom	**CCB-0001**	**0583600**	Premier Elite 8XP - Premier Elite series compatible 8 zone expander, 8 additional outputs, 1 auxiliary input and speaker driver
	Texecom	**CCD-0001**	**0527370**	Premier 8XE - Local plug-on zone expander providing 8 additional zones, for use with the Premier Elite 24 only
	Texecom	**HAA-0001**	**0710260**	Premier Elite PSU200 - Energy efficient 2.5A switch mode power supply with space for two independently monitored 7Ah batteries or one 18Ah battery
	Texecom	**CCJ-0001**	**0583640**	Premier Elite PSU200XP - Energy efficient 2.5A switch mode power supply with space for two independently monitored 7Ah batteries or one 18Ah battery, includes Premier Elite 8XP expander
	Texecom	**CCK-0001**	**0579670**	Premier Elite RM8 - Premier Elite/Premier series compatible 8 relay output module, plugs on to Premier Elite series (not including Premier Elite 24), Grade 3
KEYPADS/READERS & FOBS				
	Texecom	**DBA-0001**	**0579680**	Premier LCD - Remote keypad with 32 character LCD display, 2 tampered zones (optional EOL), 1 programmable output
	Texecom	**DBB-0001**	**0579690**	Premier LCDL - Remote keypad with large 32 character LCD display, 2 tampered zones (optional EOL), 1 programmable output
	Texecom	**DBD-0002**	**0579710**	Premier LCDLP - Remote keypad with large 32 character LCD display, 2 tampered zones (optional EOL), 1 programmable output, built in proximity tag reader
	Texecom	**DBD-0121**	**0579930**	Premier Elite FMK Polished Chrome - Flush mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0122**	**0699170**	Premier Elite FMK Polished Brass - Flush mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
A	Texecom	**DBD-0123**	**0604360**	Premier Elite FMK Satin Chrome - Flush mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0124**	**0586140**	Premier Elite FMK Diamond Black - Flush mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0125**	**0584340**	Premier Elite FMK Gunmetal - Flush mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
B	Texecom	**DBD-0170**	**0619450**	Premier Elite FMK Diamond White - Flush mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0127**	**0579920**	Premier Elite SMK Polished Chrome - Surface mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0128**	**0618640**	Premier Elite SMK Polished Brass - Surface mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0129**	**0584690**	Premier Elite SMK Satin Chrome - Surface mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0130**	**0770340**	Premier Elite SMK Diamond Black - Surface mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0131**	**0584160**	Premier Elite SMK Gunmetal - Surface mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0171**	**0586150**	Premier Elite SMK Diamond White - Surface mount keypad with large blue LCD screen, touchtone backlit keys, built in proximity tag reader
	Texecom	**DBD-0168**	**0579720**	Premier Elite LCDLP - Remote keypad with large 32 character LCD display, 2 DP or EOL zones, 1 programmable output, built in proximity tag reader
	Texecom	**CDB-0001**	**0579730**	Premier Proximity keytag, quantity 5 - Pack of 5 proximity tags for keypads
COMMUNICATIONS				
	Texecom	**CEJ-0001**	**0527390**	Premier Elite Com IP - Premier Elite/Premier series compatible module that allows alarms to be signalled over an IP network to an Alarm Receiving Centre
	Texecom	**CEL-0001**	**0338160**	SmartCom - Ethernet or WiFi communicator for connecting Premier Elite systems to Texecom Connect and Texecom Cloud
	Texecom	**CEL-0007**	**0872850**	Smartcom 4G - 4G plus Ethernet or WiFi communicator for connecting Premier Elite systems to Texecom Connect and Texecom Cloud
ACCESSORIES				
	Texecom	**DBE-0002**	**0625240**	Premier Elite FMK backbox - Backbox for flush mount keypads

Texecom

A DBD-0123

- Large blue LCD screen
- Touchtone keys
- Backlighting
- 2 additional zones
- 1 programmable output
- Built-in proximity tag Satin chrome

Texecom

B DBD-0170

- Large blue LCD screen
- Touchtone keys
- Backlighting
- 2 additional zones
- 1 programmable output
- Built-in proximity tag Diamond white

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS CONTROL PANELS & KITS/BUNDLES			
Eaton Electrical Products	**COMPACT-KIT**	**0493240**	i-on Compact audible kit - 3x PIR, 1x contact, 1x keyfob, 1x blue siren base
Eaton Electrical Products	**COMPACT-KIT-WIFI**	**0493250**	i-on Compact audible kit - 3x PIR, 1x contact, 1x keyfob, 1x blue siren base, 1x Wi-Fi module
Eaton Electrical Products	**COMPACT-KIT-RAS**	**0893460**	i-onCompact WiFi kit containing 3x PIR, 1x door contact, 1x keyfob, 1x blue sounder base, 1x KEY-RAS
Eaton Electrical Products	**COMPACT**	**0493230**	20 zone wireless panel only
WIRELESS RX/TX & REPEATERS			
Eaton Electrical Products	**EXP-R10**	**0493350**	10 zone radio expander
Eaton Electrical Products	**EXP-R30**	**0493360**	30 zone radio expander
Eaton Electrical Products	**762REUR-00**	**0493140**	Two channel radio receiver
Eaton Electrical Products	**768REUR-50**	**0493150**	Eight channel radio receiver, expandable to 32 channels with the 769R
Eaton Electrical Products	**769REUR-50**	**0493160**	Eight channel expander for use with the 769R
Eaton Electrical Products	**703REUR-00**	**0493050**	Four channel radio transmitter
WIRELESS KEYPADS/READERS & FOBS			
Eaton Electrical Products	**KEY-RAS**	**0676480**	2 way radio arming station for generation 2 panels
Eaton Electrical Products	**FOB-2W-4B**	**0493990**	2 way keyfob
Eaton Electrical Products	**I-FB01**	**0493990**	Keyfob
Eaton Electrical Products	**KEY-RKPZ-KIT**	**0493630**	2 way radio keypad and base station
WIRELESS PANIC BUTTONS			
Eaton Electrical Products	**701REUR-50**	**0493030**	Long range neck pendant transmitter
Eaton Electrical Products	**702REUR-00**	**0493040**	Watch/pendant transmitter
Eaton Electrical Products	**705REUR-00**	**0493060**	Double push lock, belt mounted, secondary programmable channel
Eaton Electrical Products	**706REUR-00**	**0493070**	Double push lock, belt mounted, tilt sensor ('man down') channel
Eaton Electrical Products	**710REUR-00**	**0493080**	Belt/pendant mount, replaceable lithium battery, single channel HUA
Eaton Electrical Products	**726REUR-50**	**0493090**	Double push lock, belt mounted, single channel radio HUA, long range
WIRELESS PIR			
Eaton Electrical Products	**XCELR**	**0493810**	Radio PIR
Eaton Electrical Products	**XCELRPT**	**0493820**	Radio pet tolerant PIR
Eaton Electrical Products	**DET-REXT-PIR30**	**0493290**	Perimeter PIR detector 30m radio
WIRELESS DUAL TECH PIR			
Eaton Electrical Products	**DET-RDTPT-G2**	**0493280**	Radio pet tolerant dual tech
WIRELESS GLASS BREAK DETECTION			
Eaton Electrical Products	**739REUR-50**	**0493130**	Radio break glass detector, with tamper switch
WIRELESS SHOCK DETECTION			
Eaton Electrical Products	**DET-RSDC-W**	**0643840**	Radio shock detector and magnetic contact, white
Eaton Electrical Products	**DET-RSDC-B**	**0643850**	Radio shock detector and magnetic contact, brown
Eaton Electrical Products	**DET-RSDC-G**	**0806680**	Radio shock detector and magnetic contact, grey
Eaton Electrical Products	**DET-RS-W**	**0685750**	Radio shock sensor, white
Eaton Electrical Products	**DET-RS-B**	**0686040**	Radio shock sensor, brown
Eaton Electrical Products	**DET-RS-G**	**0649340**	Radio shock sensor, grey
WIRELESS ENVIRONMENTAL DETECTION			
Eaton Electrical Products	**DET-RSMOKE**	**0493300**	Radio smoke detector
Eaton Electrical Products	**DET-RWATER**	**0493310**	Radio water detector
WIRELESS MAGNETIC CONTACTS			
Eaton Electrical Products	**DET-RDC-W**	**0493950**	Slimline door contact, white
Eaton Electrical Products	**DET-RDC-B**	**0493930**	Slimline door contact, brown
Eaton Electrical Products	**DET-RDC-G**	**0493940**	Slimline door contact, anthracite grey
WIRELESS INTERNAL WARNING DEVICES			
Eaton Electrical Products	**SDR-RINT**	**0493750**	Internal radio sounder
Eaton Electrical Products	**SDR-DEXT-BL-NC**	**0493700**	Decoy external sounder, blue, no cover
Eaton Electrical Products	**SDR-DEXT-RD-NC**	**0493710**	Decoy external sounder, red, no cover
Eaton Electrical Products	**SDR-R-BAT1**	**0494030**	Replacement battery for external sounders
Eaton Electrical Products	**SDR-REXT-G2-BL-NC**	**0493720**	Sounder external radio, blue lens, no cover
Eaton Electrical Products	**SDR-REXT-G2-RD-NC**	**0493740**	Sounder external radio, red lens, no cover
WIRELESS ACCESSORIES			
Eaton Electrical Products	**792REUR-00**	**0493170**	1/4 wave antenna for use with 703REUR and 790REUR
Eaton Electrical Products	**794REUR-00**	**0493180**	1/2 wave antenna complete with 3m of coax cable
Eaton Electrical Products	**797REUR-00**	**0493190**	1/2 wave collinear antenna with 3m of coax cable
Eaton Electrical Products	**DET-RSURV01**	**0493980**	Signal strength meter

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	Manufacturer	Part No.	Quick Ref.	Product Description
	CONTROL PANEL & KITS/BUNDLES			
A	Hikvision	**DS-PWA64-Kit1-WE**	**0874780**	AX PRO Kit (868MHz)
B	Hikvision	**DS-PWA64-Kit2-WE**	**0874790**	AX PRO Kit (868MHz)
C	Hikvision	**DS-PWA96-Kit1-WE**	**0874800**	AX PRO Kit (868MHz)
D	Hikvision	**DS-PWA96-Kit2-WE**	**0874810**	AX PRO Kit (868MHz)
	WIRELESS CONTROL PANELS & KITS/BUNDLES			
	Hikvision	**DS-PWA64-L-WE**	**0852790**	AX PRO (868MHz)
	WIRELESS PIR & CAMERA			
	Hikvision	**DS-PDPC12PF-EG2-WE**	**0860080**	Wireless PIR - camera detector
	Hikvision	**DS-PDPG12P-EG2-WE**	**0860050**	Wireless PIR - camera detector
E	Hikvision	**DS-PDTT15AM-LM-WE**	**0892390**	Wireless Tri-Tech AM detector
F	Hikvision	**DS-PDCM15PF-IR**	**0892400**	RF camera module
	WIRELESS RX/TX & REPEATERS			
	Hikvision	**DS-PR1-WE**	**0886110**	Wireless repeater
	WIRELESS PIR			
	Hikvision	**DS-PDP15P-EG2-WE**	**0852240**	Wireless PIR detector
	WIRELESS DUAL TECH			
	Hikvision	**DS-PDD12P-EG2-WE**	**0852730**	Wireless Dual Tech detector
	WIRELESS GLASS BREAK DETECTION			
	Hikvision	**DS-PDBG8-EG2-WE**	**0860040**	Wireless glass break detector
	WIRELESS SHOCK DETECTION			
	Hikvision	**DS-PDMCK-EG2-WE**	**0860030**	Wireless magnet shock detector

HIKVISION

A DS-PWA64-Kit1-WE

- AX PRO Kit (868MHz) - able to connect to 64 wireless zones
- LAN/GPRS/WiFi on board
- Up to 2000m RF communication range
- Configuration via Web client and Hik-connect etc.
- Voice prompt available, pushes alarm notification via messages or phone calls
- Includes: x1 DS-PWA64-L-WE, x2 DS-PKF1-WE, x1 DS-PS1-E-WE (blue), x2 DS-PDP15P-EG2-WE, x1 DS-PDMC-EG2-WE

HIKVISION

B DS-PWA64-Kit2-WE

- AX PRO Kit (868MHz) - able to connect to 64 wireless zones
- LAN/GPRS/WiFi on board
- Up to 2000m RF communication range
- Configuration via Web client and Hik-connect etc.
- Voice prompt available, pushes alarm notification via messages or phone calls
- Includes: x1 DS-PWA64-L-WE, x1 DS-PK1-E-WE, x1 DS-PS1-E-WE (blue), x2 DS-PDP15P-EG2-WE, x1 DS-PDMC-EG2-WE

HIKVISION

C DS-PWA96-Kit1-WE

- AX PRO Kit (868MHz) - able to connect to 96 wireless zones
- LAN/WiFi/3/4G on board
- Built-in tag reader
- Configuration via Web client and Hik-connect etc.
- Voice prompt available, 4 channel 7s on board video clips
- Includes: x1 DS-PWA96-M-WE, x2 DS-PKF1-WE, x1 DS-PS1-E-WE (blue), x2 DS-PDP15P-EG2-WE, x1 DS-PDMC-EG2-WE

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Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS ENVIRONMENTAL DETECTION			
Hikvision	**DS-PDC15-EG2-WE**	**0852740**	Wireless PIR curtain detector
Hikvision	**DS-PDSMK-S-WE**	**0860020**	Wireless photoelectric smoke detector
Hikvision	**DS-PDWL-E-WE**	**0852870**	Wireless water leak detector
Hikvision	**DS-PDTPH-E-WE**	**0886100**	Wireless temperature detector
Hikvision	**DS-PDCL12-EG2-WE**	**0886080**	Wireless PIR ceiling detector
WIRELESS MAGNETIC CONTACTS			
Hikvision	**DS-PDMCS-EG2-WE**	**0852250**	Wireless slim magnet detector
Hikvision	**DS-PDMC-EG2-WE**	**0852260**	Wireless magnet detector
Hikvision	**DS-PDMCX-E-WE**	**0886090**	Wireless external magnetic contact
WIRLELESS PANIC BUTTONS			
Hikvision	**DS-PDEBP1-EG2-WE**	**0852850**	Wireless portable emergency button
Hikvision	**DS-PDEB1-EG2-WE**	**0852720**	Wireless emergency button
WIRELESS EXTERNAL WARNING DEVICES			
Hikvision	**DS-PS1-E-WE**	**Various**	Wireless external sounder
WIRELESS INTERNAL WARNING DEVICES			
Hikvision	**DS-PS1-I-WE**	**Various**	Wireless internal sounder
WIRELESS KEYPADS/READERS & FOBS			
Hikvision	**DS-PK1-E-WE**	**0852280**	Wireless LED keypad
Hikvision	**DS-PKF1-WE**	**0852270**	Wireless keyfob
Hikvision	**DS-PT1-WE**	**0852290**	Wireless tag reader
Hikvision	**DS-PT-M1**	**0860010**	Tag
WIRELESS ACCESSORIES			
Hikvision	**DS-PM1-O1H-WE**	**0860060**	Wall switch
Hikvision	**DS-PM1-O1L-WE**	**0860070**	Relay module
Hikvision	**DS-PM1-I1-WE**	**0886070**	Single input transmitter
Hikvision	**DS-PM1-D**	**0886060**	12V PSU module

HIKVISION

D DS-PWA96-Kit2-WE

- AX PRO Kit (868MHz) - able to connect to 96 wireless zones
- LAN/WiFi/3/4G on board
- Built-in tag reader
- Configuration via Web client and Hik-connect etc.
- Voice prompt available, 4 channel 7s on board video clips
- Includes: x1 DS-PWA96-M-WE, x1 DS-PK1-E-WE, x1 DS-PS1-E-WE (blue), x2 DS-PDP15P-EG2-WE, x1 DS-PDMC-EG2-WE

HIKVISION

E DS-PDTT15AM-LM-WE

- Wireless triple signal detector
- Active IR anti-masking
- 90° @180° adjustable coverage, 15m detection range
- Pet immunity up to 40kg
- Frequency hopping against jamming for reliable transmission
- IP65

HIKVISION

F DS-PDCM15PF-IR

- Optional IR camera module
- 1/2.7" Progressive Scan CMOS
- 2mm fixed lens, 15m IR range
- 3D Digital noise reduction
- Auto day/night switch
- IP66

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	Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS CONTROL PANELS & KITS/BUNDLES				
	HKC	**UKQ70-P1**	**0719060**	Quantum Pack 1 Prox with WiFi (PIR*2, RF-C)
A	HKC	**UK/Q70-P2B**	**0772890**	Quantum Pack 2 Prox with WiFi (PIR*3, RF-C, RF Sabb blue base)
	HKC	**UK/Q70-P2R**	**0772900**	Quantum Pack 2 Prox with WiFi (RF PIR*3, RF-C, RF Sabb red base)
	HKC	**UKSW-10270-RFT**	**0882170**	SW 10270 (white RF touch keypad)
	HKC	**UKSW-10270-RFTBK**	**0904200**	SW 10270 (black RF touch keypad)
WIRELESS RF EXPANDER/REPEATER				
	HKC	**UK/RF-EXP**	**0405730**	RF-Expander/Repeater
WIRELESS KEYPADS/READERS & FOBS				
	HKC	**UKRF-RKP-T-W**	**0880580**	RF Remote touch keypad, white
	HKC	**UKRF-RKP-T-B**	**0880590**	RF Remote touch keypad, black
	HKC	**UK/RF-FOB**	**0773020**	Key fob - wireless
WIRELESS PIR				
	HKC	**UK/RF-PIR**	**0773180**	PIR - wireless
WIRELESS DUAL TECH				
	HKC	**UK/RF-PIR DT**	**0801850**	RF dual tech
WIRELESS PIR & CAMERA				
B	HKC	**UK/RF-PIR CAM**	**0092390**	RF-PIR camera - wireless
WIRELESS SHOCK DETECTION				
	HKC	**UK/RF-CSB**	**0773050**	Grade 2 Contact w/Inertia sensor brown - wireless
	HKC	**UK/RF-CSW**	**0773060**	Grade 2 Contact w/Inertia sensor white - wireless
WIRELESS ENVIRONMENTAL DETECTION				
	HKC	**UK/RF-SD**	**0772940**	Smoke detector - wireless
	HKC	**UK/RF-HD**	**0772950**	Heat detector - wireless
	HKC	**UK/RF-CO**	**0772960**	Carbon Monoxide detector - wireless
	HKC	**UK/RF-CB**	**0772920**	Contact sensor brown - wireless
	HKC	**UK/RF-CW**	**0772930**	Contact sensor white - wireless
	HKC	**UK/RF-SABB-B**	**0773080**	External sounder - blue base - wireless
	HKC	**UK/RF-SABB-R**	**0773090**	External sounder - red base - wireless
	HKC	**UK/RF-ECHO**	**0773100**	Internal sounder - wireless
	HKC	**UK/BP-STROBE**	**0773110**	B.P strobe kit

A UK/Q70-P2B

- Complete fully integrated 70 zone wireless panel available in kit form. Ideal for residential and small commercial applications
- Integrated keypad, WiFi communicator and siren
- Up to 70 RF zones and 32 users
- On-board internal siren
- GSM - WiFi plug on communicator also available
- Extensive voice library, EN Grade 2

B UK/RF-PIR CAM

- Derived from our highly successful, stylish and reliable RF-PIR detector, the RF-PIRCAM is fully wireless
- Available with a full colour VGA camera with built-in flash and delivers images to the HKC App via the cloud-based SecureComm service
- High quality colour camera with white LED for low light
- 15m Pyro (PIR) detection
- Adjustable Pyro sensor
- Resin protected electronics

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Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS CONTROL PANELS & KITS/BUNDLES			
Honeywell	**FX20KIT1-WL**	**0585820**	Flex 20 wireless kit 1 (small metal box) (1xC005-S-E1, 1xCP038-01, 1xC079-2, 2xYX0-0020, 3xIR8M, 1xDO8M)
Honeywell	**FX20KIT2-WL**	**0585830**	Flex 20 wireless kit 2 (small metal box) (1xC005-S-E1, 1xCP038-01, 1xC079-2, 2xYX0-0020, 2xIR8M, 2xDO8M, 2xDT8M)
WIRELESS RX/TX & REPEATERS			
Honeywell	**A073-00-01**	**0669010**	RF Portal GX kit
Honeywell	**C079-2**	**0669080**	Grade 2 RF portal
WIRELESS PIR			
Honeywell	**IR8M**	**0671990**	Wireless PIR 11x12m range
Honeywell	**IRPI8M**	**0585840**	Wireless pet immune PIR 11x12m range
WIRELESS DUAL TECH			
Honeywell	**DT8M**	**0669340**	Wireless dual tech sensor
WIRELESS GLASS BREAK DETECTION			
Honeywell	**FG8M**	**0585860**	Wireless acoustic glassbreak detector
WIRELESS SHOCK DETECTION			
Honeywell	**SHK8M**	**0585870**	Wireless shock sensor, white
Honeywell	**SHKC8M**	**0676060**	Wireless shock sensor with contact
WIRELESS ENVIRONMENTAL DETECTION			
Honeywell	**DET8M**	**0676070**	RF water+temp sensor ALPHA V2
Honeywell	**DF8M**	**0585950**	RF smoke detector with sounder
WIRELESS MAGNETIC CONTACTS			
Honeywell	**DO8M**	**0676080**	Wireless magnetic contact sensor, surface mount
Honeywell	**DO800M2**	**0585980**	Wireless door contact ALPHA BR

NORBAIN BASICS – INTRODUCTION

A new video series for 2022, Norbain Basics supports installers across the security industry!

It's aimed at everyone from industry apprentices to those wanting to broaden or refresh their knowledge.

Covering topics like why we need security, different types of surveillance, intruder and access control, and the essentials of setting up your infrastructure correctly.

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	Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS CONTROL PANELS & KITS/BUNDLES				
	Texecom	**GEW-0001**	**0284720**	Premier Elite 64-W - Control panel with up to 64 wireless zones (32 on-board wireless zones), 4 on-board wired zones, 4 areas, 4 keypads, 50 user codes, 4 programmable outputs. Grade 2 Class II
	Texecom	**GEX-0001**	**0298510**	Premier Elite 64-W LIVE - Control panel with up to 64 wireless zones and built in LCDP keypad (32 on-board wireless zones), 4 on-board wired zones, 4 areas, 4 keypads, 50 user codes, 4 programmable outputs. Grade 2 Class II
	Texecom	**KIT-1001**	**0859810**	1 x Premier Elite 64-W, 5 x Premier Proximity tags, 1 x Premier Elite LCDLP-W, 3 x Capture P15-W (Pet selectable), 1 x Premier Elite Micro Contact-W
	Texecom	**KIT-1002**	**0859820**	1 x Premier Elite 64-W, 5 x Premier Proximity tags, 1 x Premier Elite LCDLP-W, 3 x Capture P15-W (Pet selectable), 1 x Premier Elite Micro Contact-W, 1 x Odyssey X-W backplate
	Texecom	**KIT-1003**	**0862310**	1 x Premier Elite 64-W LIVE, 2 x Premier Elite SmartKey, 3 x Capture P15-W (Pet selectable), 1 x Premier Elite Micro Contact-W
	Texecom	**KIT-1004**	**0862320**	1 x Premier Elite 64-W LIVE, 2 x Premier Elite SmartKey, 3 x Capture P15-W (Pet selectable), 1 x Premier Elite Micro Contact-W, 1 x Odyssey X-W backplate
	Texecom	**KIT-1086**	**0862350**	1 x Premier Elite 64-W, 5 x Premier Proximity tags, 1 x Premier Elite LCDLP, 3 x Capture P15-W (Pet Selectable), 1 x Premier Elite Micro Contact-W
WIRELESS RX/TX & REPEATERS				
	Texecom	**GCA-0001**	**0579990**	Premier Elite 32XP-W - Premier Elite series compatible 32 zone wireless expander with engineers keypad connectivity
	Texecom	**GCD-0001**	**0579750**	Premier Elite 8XP-W - Premier Elite series compatible 8 zone wireless expander with engineers keypad connectivity
	Texecom	**GEC-0002**	**0609980**	Ricochet expansion pack - Wireless expansion pack containing 1 x Premier Elite 8XP-W and 1 x Premier Elite IXP-W, 8 zone wireless interface card with voltage free relay outputs
WIRELESS KEYPADS/READERS & FOBS				
A	Texecom	**GCE-0001**	**0270280**	Premier Elite LCDLP-W - Fully functional wireless keypad with large LCD screen and built in proximity reader
	Texecom	**GCC-0001**	**0580000**	Premier Elite SmartKey - Wireless iconic keyfob with built in proximity tag, programmable two button panic alarm, up to 3 programmable outputs
WIRELESS PIR GRADE 2				
	Texecom	**GDA-0001**	**0859760**	Capture P15-W 15m Dual PIR wireless
WIRELESS DUAL TECH				
	Texecom	**GDC-0001**	**0859780**	Capture D20-W 20m Dual Tech wireless
	Texecom	**GDE-0001**	**0859800**	Capture CD-W Ceiling Dual Tech wireless

Texecom

A GCE-0001

- Requires Premier Elite systems with V3.1 wireless receivers (or higher)
- Fully functional keypad: not just an arming station
- 5 year battery life with typical usage (4x AA lithium batteries supplied)
- Operating speed equivalent to wired keypads
- Complete 'wire free' Premier Elite system options
- Integral proximity reader for use with Texecom RFID prox tags

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
WIRELESS QUAD DETECTORS				
	Texecom	**GDB-0001**	**0859770**	Capture Q20-W 20m Quad PIR wireless
	Texecom	**GDD-0001**	**0859790**	Capture CQ-W Ceiling Quad wireless
WIRELESS SHOCK DETECTION				
	Texecom	**GHC-0001**	**0650350**	Premier Elite Micro Shock-W white - Miniature wireless shock sensor with superior accelerometer technology, LED assisted set up procedure, adhesive or screw fixing options
	Texecom	**GHC-0002**	**0483540**	Premier Elite Micro Shock-W grey - Miniature wireless shock sensor with superior accelerometer technology, LED assisted set up procedure, adhesive or screw fixing options
	Texecom	**GHC-0003**	**0585050**	Premier Elite Micro Shock-W brown - Miniature wireless shock sensor with superior accelerometer technology, LED assisted set up procedure, adhesive or screw fixing options
	Texecom	**GJA-0001**	**0632480**	Impaq SC-W white wireless shock sensor with magnetic contact
	Texecom	**GJA-0004**	**0681670**	Impaq SC-W brown wireless shock sensor with magnetic contact
	Texecom	**GJA-0005**	**0633000**	Impaq SC-W anthracite grey wireless shock sensor with magnetic contact
WIRELESS MAGNETIC CONTACTS				
B	Texecom	**GHA-0001**	**0803880**	Premier Elite Micro Contact-W - Miniature wireless contact, LED assisted setup procedure, adhesive or screw fixing options
	Texecom	**GHA-0002**	**0803890**	Premier Elite Micro Contact-W grey - Miniature wireless contact, LED assisted setup procedure, adhesive or screw fixing options
	Texecom	**GHA-0003**	**0803900**	Premier Elite Micro Contact-W brown - Miniature wireless contact, LED assisted setup procedure, adhesive or screw fixing options
WIRELESS ENVIRONMENTAL DETECTION				
	Texecom	**GBN-0001**	**0710150**	Premier Elite OH-W - Wireless optical and heat fire detector with 85dB built in sounder
WIRELESS EXTERNAL WARNING DEVICES*				
	Texecom	**GBP-0001**	**0705710**	Premier Elite Odyssey 1-W back - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBQ-0001**	**0705720**	Premier Elite Odyssey 2-W back - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBR-0001**	**0705730**	Premier Elite Odyssey 3-W back - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBS-0001**	**0705740**	Premier Elite Odyssey 4-W back blue - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBS-0002**	**0586510**	Premier Elite Odyssey 4-W back white - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBS-0005**	**0586520**	Premier Elite Odyssey 4-W back red - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBT-0001**	**0705750**	Premier Elite Odyssey 5-W back - Wireless external sounder backplate with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs, IP65 sealed electronics
	Texecom	**GBV-0001**	**0749850**	Odyssey X-W 868MHz - Wireless external sounder backplate with 105dB piezo sounder, selectable comfort LEDs, wall and cover tamper
	Texecom	**GBX-0001**	**0764870**	Premier Elite 5Ci-W - Wireless internal sounder with 105dB piezo sounder, high brightness LED strobe, selectable comfort LEDs

***Require lids, see page 223 for options**

Texecom

B GHA-0001

- Small size: 57x27.5x8.2mm
- Compatible with Premier Elite controls & Ricochet Expansion packs
- 4 year typical battery life
- 3 colour options: white, brown & anthracite grey
- LED assisted set up procedure
- EN50131-2-6 Grade 2

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Coverage	Optics	Built in Resistors	Pet Immunity	Bracket Options	Lens Options
PIR GRADE 2								
Eaton Electrical Products	**XCELWPT**	**0493840**	9m x 90°	Fresnel Lens	-	✓	-	-
Honeywell	**IS3012**	**0669250**	12x17m	Fresnel Lens	-	✓	-	-
Honeywell	**IS312**	**0669270**	12x17m	Fresnel Lens	-	✓	-	-
Honeywell	**IS312B**	**0669260**	12x17m	Fresnel Lens	-	✓	-	-
Optex	**FMX-ST**	**0755700**	15x15m	Fresnel Lens	-	✓	✓	-
Optex	**RXC-ST**	**0691180**	12x12m	Fresnel Lens	-	-	-	✓
Texecom	**AAC-0001**	**0586230**	12m	Fresnel Lens	-	-	✓	✓
Texecom	**AAA-0001**	**0727890**	12m	Fresnel Lens	-	-	✓	-
Texecom	**ACD-0001**	**0710680**	12m	Fresnel Lens	✓	-	✓	-
Texecom	**AKB-0001**	**0859690**	15x15m	Fresnel Lens	✓	✓	✓	-
Texecom	**AKC-0001**	**0859700**	20x20m	Fresnel Lens	✓	✓	✓	-
Texecom	**AKF-0001**	**0859730**	9.3m @3.6m	Fresnel Lens	✓	-	-	-

Manufacturer	Part No.	Quick Ref.	Coverage	Optics	Built in Resistors	Pet Immunity	Anti Mask Type	Bracket Options	Lens Options
PIR GRADE 3									
Honeywell	**IS3016A**	**0669210**	16x22m	Mirror Optics	✓	-	Active IR	-	-
Optex	**CX-702 MKII**	**0880100**	21x21m W/45x10m L	Fresnel Lens	-	-	-	✓	✓
Optex	**CDX-NAM**	**0691220**	24x2m	Fresnel Lens	-	-	-	✓	✓

NORBAIN BASICS – MOUNTING OF DETECTORS

If it's your job to mount intruder security detectors in the right place, this video is possibly the most exciting footage to cross your path all year!

Our man Buzz Coates takes you through a very handy overview of how a PIR works and how to correctly install one, either internally or externally.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Coverage	Optics	Built in Resistors	Pet Immunity	Bracket Options	Lens Options
DUAL TECH GRADE 2									
	Eaton Electrical Products	**DET-WDTPT-G2**	**0493330**	12m x 90°	Fresnel Lens	-	✓	-	-
A	Honeywell	**DT8012F5**	**0669230**	12x17m	Fresnel Lens	-	-	-	-
	Honeywell	**DT8016F5**	**0669220**	16x22m	Fresnel Lens	✓	-	-	-
	Honeywell	**DT8016MF5**	**0669240**	16x22m	Mirror Optics	✓	-	-	-
B	Texecom	**AKD-0001**	**0859710**	20x20m	Fresnel Lens	✓	✓	✓	-
	Texecom	**AKG-0001**	**0859740**	9.3m @3.6m	Fresnel Lens	✓	-	-	-

Manufacturer	Part No.	Quick Ref.	Coverage	Optics	Built in Resistors	Pet Immunity	Anti Mask Type	Bracket Options	Lens Options
DUAL TECH GRADE 3									
Honeywell	**DT8016AF5**	**0669180**	16x22m	Mirror Optics	✓	-	Active IR	-	✓
Texecom	**AKH-0001**	**0859750**	9.3m @3.6m	Fresnel Lens	✓	-	✓	-	-
Texecom	**AKE-0001**	**0859720**	20x20nm	Fresnel Lens	✓	-	✓	-	-

Honeywell

A DT8012F5

- 12m Dual Tech
- Superior detection and false alarm immunity
- Flashlight walk test
- Flexible mounting options available
- Pet immunity
- Grade 2 compliance

Texecom

B AKD-0001

- 20m/85° coverage
- Quad pyro + K-band microwave
- Dual tech/Petwise/Clockwise modes
- EN50131-2-4 Grade 2
- Tri-colour LED
- Selectable sensitivity

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
WIRED GLASS BREAK DETECTION				
	Honeywell	**FG1025Z**	**0585990**	FLEXGUARD ceiling mount glass break 7.6m range
	Texecom	**AEC-0001**	**0527240**	Premier Impaq glass break - Advanced digital acoustic glassbreak detector with adjustable sensitivity, microprocessor technology, first to alarm and latch input, LED disable

	Manufacturer	Part No.	Quick Ref.	Product Description
WIRED SHOCK DETECTION				
	Honeywell	**FG1625TAS**	**0669280**	FLEXGUARD 1625 G/BRK 7.6m range with tamper
	Knight	**SEISMO**	**0628040**	Grade 2 shock sensor multi resistor
A	Knight	**SEISMO-ADVANCE**	**0702580**	Grade 3 advanced shock sensor multi resistor, latching option, fault output, adjustable sensitivity
	Knight	**SEISMO-ADVANCE-C**	**0881800**	Grade 3 shock sensor with Grade 3 magnetic contact, PD6662:2017, multi resistor, latching option, sensitivity pot, rear tamper, fault output
	Knight	**SEISMO-LITE**	**0881910**	Grade 2 shock sensor, rear tamper, sensitivity potentiometer, no resistors
	Texecom	**AEA-0001**	**0527220**	Veritas Impaq E - Grade 2 cost effective shock sensor with dual sensitivity range
	Texecom	**AEJ-0001**	**0632970**	Impaq S White Digital shock sensor with VIBER accelerometer technology, adjustable sensitivity, microprocessor technology, EN50131-2-8 Grade 2
	Texecom	**AEJ-0002**	**0636990**	Impaq S Brown Digital shock sensor with VIBER accelerometer technology, adjustable sensitivity, microprocessor technology, EN50131-2-8 Grade 2
	Texecom	**AEJ-0003**	**0632980**	Impaq S Anthracite grey Digital shock sensor with VIBER accelerometer technology, adjustable sensitivity, microprocessor technology, EN50131-2-8 Grade 2
	Texecom	**AEK-0001**	**0632990**	Impaq SC White Digital shock sensor and magnetic contact with VIBER accelerometer technology, adjustable sensitivity, microprocessor technology, EN50131-2-8 Grade 2
	Texecom	**AEK-0002**	**0807250**	Impaq SC Brown Digital shock sensor and magnetic contact with VIBER accelerometer technology, adjustable sensitivity, microprocessor technology, EN50131-2-8 Grade 2
	Texecom	**AEK-0003**	**0807260**	Impaq SC Anthracite Grey Digital shock sensor and magnetic contact with VIBER accelerometer technology, adjustable sensitivity, microprocessor technology, EN50131-2-8 Grade 2

KNIGHT
#TheBiggestRange

A SEISMO-ADVANCE

- Grade 3 shock and tilt sensor
- Complies with BS EN50131-2-8:2016 & PD6662:2017

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
SEISMIC DETECTORS			
Honeywell	**SC100**	**0669290**	Universal seismic sensor
Honeywell	**SC105**	**0577210**	Mini-ATM or vending machines seismic sensor
SEISMIC DETECTOR ACCESSORIES			
Honeywell	**SC110**	**0669300**	Mounting plate for SC100 or SC105
Honeywell	**SC111**	**0585880**	Movable mounting plate for SC100 or SC105
Honeywell	**SC112**	**0585890**	Keyhole protection kit for SC100 or SC105
Honeywell	**SC113**	**0585900**	Internal test transmitter for SC100 or SC105
Honeywell	**SC114**	**0669310**	1.8m armed cable kit (8 wires) for SC100 or SC105
Honeywell	**SC115**	**0585910**	External test transmitter for SC100 or SC105
Honeywell	**SC116**	**0585920**	Wall recess mounting box SC1XX
Honeywell	**SC117**	**0585930**	Floor recess mounting box SC1XX
Honeywell	**SC118**	**0585940**	Spacer for SC112

Manufacturer	Part No.	Quick Ref.	Product Description
ENVIRONMENTAL DETECTION			
Eaton Electrical Products	**M12**	**0493640**	Four-in-one fire detector

MARKET OPPORTUNITIES – TOWN CENTRES

As the UK's town centres re-invent themselves to provide a positive experience for today's visitor, security solutions need to modernise to support the changing dynamic too.

Security installers can benefit from offering their expertise in video surveillance, audio, wireless, Body Worn and much more.

Watch our Market Opportunities video to find out Norbain's observations and how we can help you maximise your business growth.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Colour	Dimensions	Operating Gap	Env. Class		Double Door Option
SURFACE CONTACTS GRADE 1									
	Knight	**D20**	**0193240**	White	67x14x13mm	20mm	II		✓
	Knight	**D50**	**0193290**	White	67x14x13mm	20mm	II		✓
	Knight	**D60**	**0193300**	White	67x14x13mm	20mm	II		✓
	Knight	**D20GY-7016**	**0875930**	Anthracite Grey	67x14x13mm	20mm	II		✓

	Manufacturer	Part No.	Quick Ref.	Colour	Dimensions	Operating Gap	Env. Class	Built in Resistors	Double Door Option
SURFACE CONTACTS GRADE 2									
	CQR	**SC517/WH/MULTI/G2/EN**	**0619480**	White	65x13x13mm	20mm	II	✓	✓
	CQR	**SC570/WH/G2/EN**	**0619500**	White	85x25x13mm	27mm	II	-	✓
	CQR	**SC570/SPACER/WH**	**0761310**	White	85x25x5mm	-	-	-	-
	Eaton Electrical Products	**734REUR-00**	**0493870**	White	33x88x27mm	7mm	II	-	-
	Eaton Electrical Products	**734REUR-01**	**0493880**	White	33x88x27mm	7mm	II	-	-
A	Knight	**D75MULTIGY-7016**	**0875940**	Anthracite Grey	78x25x20mm	35mm	II	✓	✓
	Knight	**D25**	**0453430**	White	37x14x13mm	20mm	II	-	✓
	Knight	**D70**	**0193310**	White	86x25x20mm	40mm	II	-	✓
	Knight	**D75**	**0565300**	White	78x25x20mm	35mm	II	-	✓
B	Knight	**D75MULTI**	**0699510**	White	78x25x20mm	35mm	II	✓	✓
	Knight	**E30**	**0193330**	White	67x14x13mm	20mm	III	-	✓
	Knight	**E50**	**0193350**	White	67x14x13mm	20mm	III	-	✓
	Knight	**E70**	**0193370**	White	38x9x15mm	20mm	III	-	✓
	Knight	**E90A**	**0193510**	Aluminium	40x14x10mm	15mm	III	-	✓
	Knight	**YEND24**	**0699500**	White	67x14x13mm	20mm	II	✓	✓
SURFACE CONTACTS GRADE 3									
	CQR	**SC570/WH/MD/MULTI/G3**	**0619520**	White	85x25x13mm	10mm	II	✓	✓
	Knight	**XE90A-1KR**	**0330910**	White	40x14x9.7mm	8mm	III	✓	✓
	Knight	**YE50**	**0551780**	White	67x14x17mm	15mm	III	✓	✓
C	Knight	**YEND74**	**0353660**	White	78x25x20mm	30mm	II	✓	✓
	Knight	**XEND24**	**0699520**	White	67x14x17mm	12mm	II	✓	✓
	Knight	**YEND74GY-7016**	**0865510**	Anthracite Grey	78x25x20mm	30mm	II	✓	✓
	Knight	**YEND74BK**	**0762370**	Black	78x25x20mm	30mm	II	✓	✓
	Knight	**YE50BZ**	**0875950**	Bronze	67x14x13mm	15mm	III	✓	✓

A D75MULTIGY-7016

- Grade 2 industrial surface contact
- Anthracite grey ABS housings and bases
- 4 terminals & TACT tamper
- Large operating gap
- Suitable for double door installations
- Two free spacers with every unit

B D75MULTI

- Grade 2 industrial surface contact
- Selectable EoL resistors for all main Intruder panels
- 4 terminals & TACT tamper
- Large operating gap
- Suitable for double door installations
- Two free spacers with every unit

C YEND74

- Grade 3 industrial surface contact
- Selectable EoL resistors for all main Intruder panels
- 4 terminals & TACT tamper
- Suitable for double door installations
- Magnetic Interference Detection
- Two free spacers with every unit

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Colour	Dimensions	Operating Gap	Env. Class		Double Door Option
FLUSH CONTACTS GRADE 1									
	Knight	**A40**	**0193110**	White	20x13.5mm	14mm	II		✓
	Knight	**A50**	**0193130**	White	20x13.5mm	14mm	II		✓
	Knight	**A60**	**0193140**	White	20x13.5mm	14mm	II		✓
	Knight	**A90**	**0193160**	White	25x15mm	30mm	II		✓
	Knight	**AR02**	**0690020**	White	20mm dia x 29.7mm	24mm	II		✓

	Manufacturer	Part No.	Quick Ref.	Colour	Dimensions	Operating Gap	Env. Class	Built in Resistors	Double Door Option
FLUSH CONTACTS GRADE 2									
	Knight	**AR03**	**0752110**	White	20mm dia x 44.25mm	15mm	III	-	✓
	CQR	**FC508/WH/MULTI/G2**	**0622440**	White	33x22x32mm	9mm	II	✓	✓
	Knight	**A45**	**0565280**	White	20x13.5mm	14mm	II	✓	✓
	Knight	**A51MULTI**	**0595470**	White	20x30mm	14mm	II	✓	✓
	Knight	**A85**	**0353560**	White	20x13.5mm	14mm	III	-	✓
	Knight	**C30**	**0193200**	White	8x27.8mm	15mm	III	-	✓
	Knight	**C50**	**0193220**	White	8x27.8mm	15mm	III	-	✓
	Knight	**A41MULTI**	**0595460**	White	20x30mm	14mm	II	✓	✓
FLUSH CONTACTS GRADE 3									
	CQR	**FC508/WH/MULTI/G3**	**0622450**	White	32x22x32mm	4mm	II	✓	✓
	Elmdene	**EN3-QFC-GN**	**0364600**	White	20x27mm	13mm	III	✓	✓
	Knight	**XA41MULTI**	**0595450**	White	20x30mm	14mm	III	✓	✓
	Knight	**XA51MULTI**	**0595440**	White	20x30mm	14mm	III	✓	✓
	Knight	**XC301KR**	**0330840**	White	8x27.8mm	7mm	III	✓	✓
	Knight	**YA40**	**0513300**	White	20x18mm	25mm	III	✓	✓
	Knight	**YA90**	**0517560**	Stainless Steel	25x15mm	25mm	III	✓	✓
	Knight	**AR04***	**0229190**	White	20mm dia x 44.25mm	5mm	III	✓	✓
D	Knight	**AR041K-FR**	**0875990**	White	20mm dia x 44.25mm	5mm	III	✓	✓

D AR041K-FR

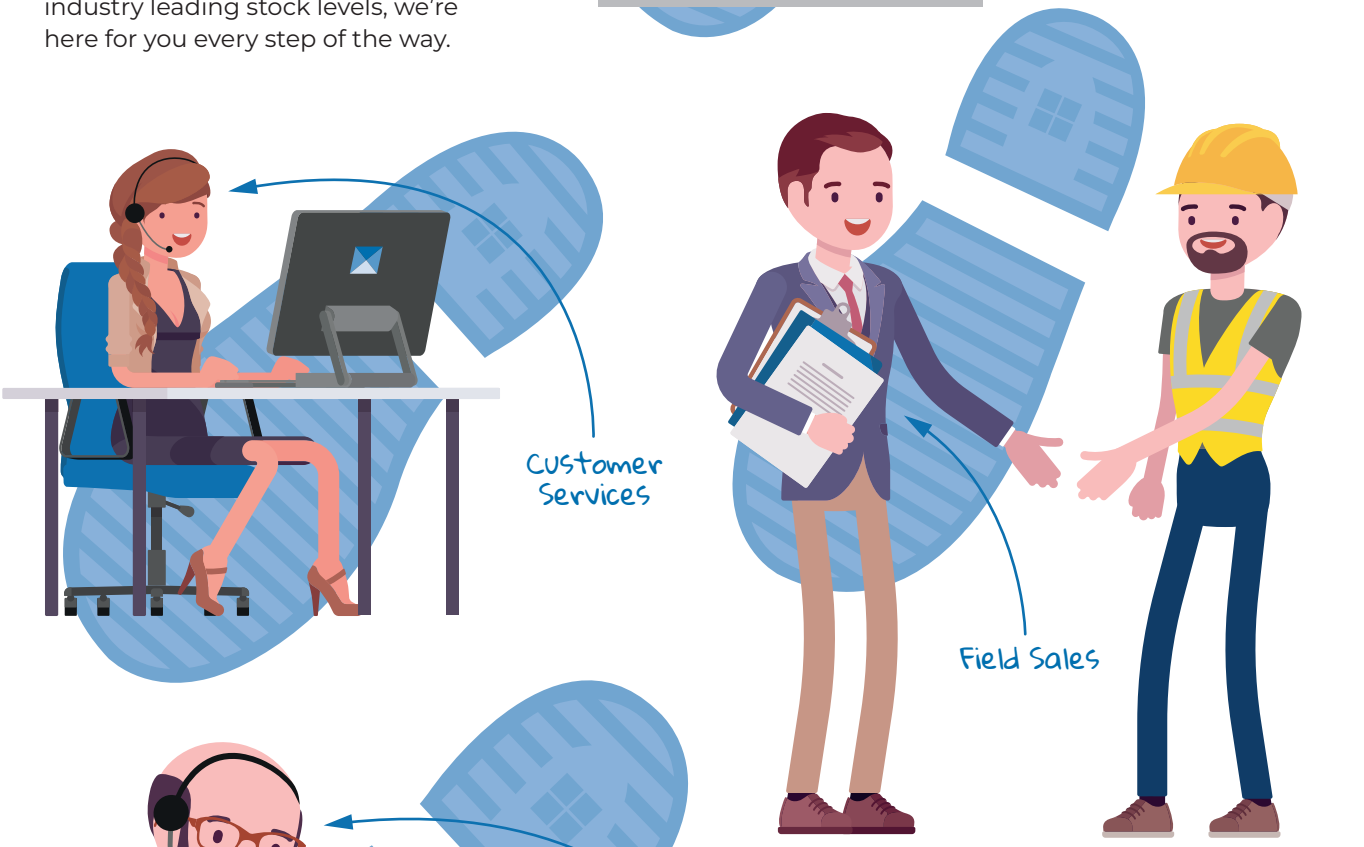
- Grade 3 flush contact
- 3rd party laboratory fire tested and approved
- Protection from steel frame magnetic interference
- 1k/1k resistors built-in
- 20mm diameter
- Speedfit with crush ribs for ease of installation

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

norbain
security delivered

SUPPORTING YOU EVERY STEP OF THE WAY

No matter where you are on your security journey, Norbain is here to support, advise and guide you. As a Norbain customer, you'll benefit from your own dedicated account manager who'll make your life easier. We'll ensure you get the solutions you need when and where you need them. With quick turnaround of your queries and industry leading stock levels, we're here for you every step of the way.



Want to find out more about how norbain can support your business? **Contact us today:**

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	Manufacturer	Part No.	Quick Ref.	Size	Cable Length	Operating Gap	Env. Class	Built in Resistors	Double Door Option
HEAVY DUTY CONTACTS GRADE 2									
	Knight	**E91**	**0193520**	70x14x10mm	1m	35mm	III	-	✓
	Knight	**E92**	**0193530**	70x14x10mm	0.5m	35mm	III	-	✓
	Knight	**H10A**	**0193570**	80x25x27mm	0.5m	50mm	III	-	✓
	Knight	**H10C**	**0193580**	80x25x27mm	0.5m	50mm	III	-	✓
	Knight	**M10**	**0193590**	170x23x22mm	-	50mm	II	-	✓
	Knight	**H10CBA**	**0876010**	80x25x27mm	1000mm	50mm	IV	-	✓
HEAVY DUTY CONTACTS GRADE 3									
	Knight	**YH10A**	**0419300**	80x25x27mm	500mm	35mm	III	✓	✓
	Knight	**YM10**	**0456130**	170x23x22mm	-	20mm	II	-	✓
A	Knight	**YH10CBA**	**0675850**	80x25x27mm	500mm	35mm	IV	✓	✓
	Knight	**YH10A5M**	**0595230**	80x25x27mm	5000mm	35mm	III	✓	✓

	Manufacturer	Part No.	Quick Ref.	Size	Cable Length	Operating Gap	Env. Class	Built in Resistors	Double Door Option
ROLLER SHUTTER CONTACTS GRADE 2									
	Knight	**F20**	**0193560**	150x40x15mm	500mm	50mm	III	-	✓
	Knight	**F40**	**0454070**	150x40x15mm	500mm	50mm	III	-	✓
	Knight	**F10A**	**0193540**	150x40x15mm	500mm	50mm	III	-	✓
	Knight	**F10C**	**0193550**	150x40x15mm	1m	50mm	III	-	✓
	Knight	**F10CMULTI**	**0656250**	150x40x15mm	1m	50mm	III	✓	✓
B	Knight	**RSC2**	**0876000**	135x42x12mm	500mm	55mm	III	-	✓
ROLLER SHUTTER CONTACTS GRADE 3									
	Knight	**F102**	**0457570**	150x40x15mm	2m	50mm	III	-	✓
C	Knight	**YF10C**	**0419290**	150x40x15mm	1m	35mm	III	✓	✓

KNIGHT #TheBiggestRange

A YH10CBA

- Grade 3 heavy duty angle contact
- Waterproof neoprene sheath protecting Intruder cores
- Mechnically protected by 0.5m armoured sleeving
- Selectable resistors for all main Intruder panels
- Suitable for double door installations
- Magnetic Interference detection

KNIGHT #TheBiggestRange

B RSC2

- Grade 2 roller shutter contact
- Slimline design - only 12mm high off ground
- 500mm of Intruder cable & armoured sleeving
- Robust die-cast aluminium housings
- 4 wire
- Large operating gap

KNIGHT #TheBiggestRange

C YF10C

- Grade 3 roller shutter contact
- Selectable EoL resistors for all main Intruder panels
- 1m of 8mm armoured sleeving/COPEX
- Universally handed (reverse magnet with screw)
- Magnetic interference detection
- Rubber spacer available for wet/uneven surfaces

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

PANIC BUTTONS

	Manufacturer	Part No.	Quick Ref.	Product Description
	CQR	**PADP3/WH**	**0778120**	Grade 3 white PA button multi plastic key
	CQR	**PADP3/SS/BK**	**0778110**	Grade 3 black PA button - stainless steel multi metal key
	Elmdene	**ELM-PA-G3-W**	**0405270**	Grade 3 panic button, white
A	Elmdene	**ELM-PA-G3-SS**	**0405310**	Grade 3 panic button, stainless steel
	Knight	**KP7**	**0193480**	Grade 1 tampered single centre push PA, latching, white
	Knight	**KP9**	**0193500**	Grade 1 tampered single end push PA, latch/non-latch select, white
	Knight	**KP1**	**0193390**	Grade 1 single push PA white
	Knight	**KP2S**	**0193430**	Grade 1 single push PA stainless steel non-latch
	Knight	**KP4**	**0193450**	Grade 2 double push PA white latching
	Knight	**KP4B**	**0193470**	Grade 2 double push PA brass latching
	Knight	**KP4S**	**0193460**	Grade 2 double push PA stainless steel latching
	Knight	**PA2ES**	**0537720**	Grade 3 double push PA stainless steel
	Knight	**PA2ESR**	**0537760**	Grade 3 double push PA with sel resistor, stainless steel
	Knight	**PA2EW**	**0537710**	Grade 3 double push PA, white
B	Knight	**PA2EWR**	**0537750**	Grade 3 double push PA with sel resistor, white
	Knight	**PA2SSR**	**0537740**	Grade 3 side double push PA with sel resistor, stainless steel
	Knight	**PA4S**	**0537780**	Grade 3 confirmed 4 button PA with sel resistors, stainless steel fascia
C	Knight	**PA4W**	**0537770**	Grade 3 confirmed 4 button PA with sel resistors, white
	Texecom	**GBG-0001**	**0698380**	Grade 2 Premier Elite PA DP-W - Wireless double push panic button with silent operation, ACPO 10 point plan compliant, 4 year battery life

A ELM-PA-G3-SS

- EN50131 Grade 3 compatible Panic Buttons
- Ideal for commercial or domestic installation
- Silent operation
- Cover and rear tamper
- Easy connection of multiple units
- Stainless steel and white finishes available

B PA2EWR

- Grade 3 double push panic button/HUD
- Selectable EoL resistors for all main Intruder panels
- Lid and back tampers
- Latching
- N/O & N/C option
- White

C PA4W

- Grade 3 combined panic button/HUD
- 4 button activation
- Can help restore loss of HUD Police Response
- Selectable EoL resistors for all main Intruder panels
- Lid and back tampers
- Metal key reset

PANIC STRIP SWITCHES

	Manufacturer	Part No.	Quick Ref.	Product Description
D	Hoyles	**RPD01000**	**0747240**	Dado Panic Strip 1000mm grey & red comes with black end caps
	Hoyles	**REDIMON412**	**0643800**	Redimon v4 Panic Strip monitor unit 12VDC powered

D RPD01000

- Press at any point Panic Strip
- Use to signal help or assistance
- Strip 1000mm grey & red, comes with black end caps
- Waterproof and tamper resistant
- Use with Redimon/4 for alarm & fault outputs

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	JUNCTION BOXES			
	Knight	**J20**	**0353680**	Grade 3, 18+2 way junction box with tamper, white
	Knight	**J24**	**0193750**	Grade 3, 22+2 way junction box with tamper, white
	Knight	**J310**	**0565120**	Grade 3, weatherproof IP56 8+2 way conduit junction box, white
	Knight	**J40**	**0193710**	Grade 2, 5+2 way junction box, white
	Knight	**J80**	**0193730**	Grade 2, 8+2 way junction box, white
	Knight	**J81**	**0353670**	Grade 3, 8+2 way junction box, white
	RTE/PUSH TO SET			
	Knight	**Z20B**	**0193630**	Grade 1, final exit switch with buzzer, black
	Knight	**Z30**	**0524910**	Grade 3, final exit flush switch stainless steel with buzzer
	Knight	**Z40**	**0463810**	Grade 3, final exit surface switch stainless steel with buzzer
	Knight	**P01**	**0353610**	Pass keyswitch, aluminium, tampered
	Knight	**P03**	**0193650**	Polycarbonate pass keyswitch, white
	FUSE AND RESISTOR KITS			
	Knight	**FUSEKIT-UB**	**0092400**	Handy Fire and Security Engineer Fuse kit, 90 x IEC glass fuses, 5 each of 18 popular types
E	Knight	**RESKIT-UB**	**0092410**	Handy Fire and Security Engineer Resistor kit, 270 x metal film (0.25W 1%) resistors, 30 each of 9 popular types
	MAGNETIC CONTACT SPACERS			
	Knight	**SPA-SS**	**0596140**	Spacer for all Knight small surface contacts (pack of 5)
	Knight	**SPA-LS**	**0596160**	Spacer for all Knight large surface contacts (pack of 5)
	Knight	**SPA-H10**	**0675860**	Spacer for all Knight aluminium angle contacts (pack of 10)
	Knight	**SPA-RS**	**0596150**	Spacer for all Knight Roller Shutter contacts (pack of 5)
	RELAYS			
F	Hoyles	**S312N**	**0598640**	Transistorised double pole relay module - 12VDC
	Hoyles	**S320**	**0598650**	Transistorised single pole relay module - 12VDC
	Hoyles	**S342-1**	**0583910**	Double pole relay module - 12VDC
	Hoyles	**S351**	**0551170**	Multi function timer relay - 12VDC
	Hoyles	**S312T**	**0583930**	Transistorised double pole timer relay module 12VDC
	Hoyles	**S312N-B-PSU**	**0207590**	Boxed transistorised DPCO relay module NPN version 12VDC
	DOOR LOOPS			
	Knight	**L60**	**0193700**	6 way coiled white door loop 20"/500mm, c/w 2x 5+2 way JBs
	LOCKABLE BOXES			
	Elmdene	**A4-DOC-BOX**	**0324600**	Lockable document box - A4 size
	EN50131 GRADE 3 PSU			
G	Elmdene	**GEN3-18-B**	**0624540**	13.8VDC 1.5A EN50131-6 PSU for up to 18Ah batteries in Grade 3 Intruder Alarm systems

KNIGHT #TheBiggestRange

E RESKIT-UB

- Handy resistor kit for Fire Alarm & Intruder installers
- 9 different varieties of common resistors
- 30 of each resistor type
- Metal film (0.25W 1%) resistors
- Double clip fastening mechanism
- Removable compartment dividers

HOYLES

F RELAY RANGE

- Variety of relay modules providing effective electrical switch for your chosen device
- Assortment of input types, voltage, logic and open and closed-circuit inputs
- Self-adhesive or holes for permanent screw mounting
- Screw terminals for easy connection
- Timer Relay ranges between 1-60 seconds and 1-60 minutes
- 5 year warranty

ELMDENE Protecting People & Property

G GEN3-18-B

- Backed by a Lifetime Warranty
- 13.8VDC 1.5A PSU, for EN50131 Grade 3 Intruder systems
- Grade 2 option also available
- EN50131-6 compliant
- Mains fail/battery fault monitoring
- Can charge up to 18Ah battery and provides 12 hour back-up

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
INTERNAL WARNING DEVICES				
	Eaton Electrical Products	**09040UK-00**	**0492950**	16 Ohm extension speaker in tamper housing
A	Elmdene	**EXTSP-16T-SS**	**0206610**	Flush mounted stainless steel 16 Ohm extension speaker - tampered
B	Knight	**I40**	**0502760**	Grade 3 internal Dual-Tone Hi-Lo sounder with tamper
	Knight	**I10**	**0331440**	Grade 1 extension speaker 16 Ohm
	Knight	**I20**	**0204900**	Grade 3 16 Ohm extension speaker with tamper
C	STI	**STI-6200**	**0682490**	Theft Stopper, 95/105dB alarm prevents theft and misuse of equipment
D	STI	**STI-SA5500-R**	**0875920**	IP66, 105 or 85dB alarm, Select-Alert Siren/Strobe - round, red
E	STI	**STI-SA5600-G**	**0586760**	105 or 85dB alarm, Select-Alert Siren/Strobe - rectangle, green

ELMDENE Protecting People & Property

A EXTSP-16T-SS

- Designed to be used with all common Intruder panels
- Flush or surface mount
- Single gang size
- White plastic or brushed steel options
- Provided with 16Ω speaker
- Tampered

KNIGHT #TheBiggestRange

B I40

- Grade 3 internal sounder
- Dual tone Hi-Lo options
- High level: Alarm warning
- Low level: Entry/Exit warning
- Volume control on low level
- 16 Ohm, 12W speaker

STI

C STI-6200

- Alarm helps prevent theft and misuse
- Mounts easily next to protected device
- 95/105dB warning alarm when activated
- Add warning in second language with provided labels
- Deactivation cable for maintenance
- 136Hx136Wx50Dmm

STI

D STI-SA5500-R

- Combination of siren and super bright flashing LEDs
- 32 selectable sounds, 8 flash patterns
- Strobe only or sounder only control
- Low battery signal, 12/24VDC
- 105dB or 85dB alarm
- 98.2Hx98.2Wx94.6Dmm

STI

E STI-SA5600-G

- Helps stop unauthorised use of important devices
- Combination of siren and super bright flashing LEDs
- 8 flash patterns with speed selection
- Strobe only or sounder only control
- 105dB or 85dB alarm, 12/24VDC
- 122.7Hx81.7Wx53.3Dmm

Texecom

F WDA-0004 ODYSSEY X1

- Custom graphic inserts for professional branding
- Choice of 6 compatible backplate modules
- Complete with integral backlight compatibility
- Other frame and lens colour options available

Texecom

G WDB-0001 ODYSSEY X3

- Custom graphics inserts for professional branding
- Choice of 6 compatible backplate modules
- Complete with integral backlight compatibility
- Other frame and lens colour options available

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

EXTERNAL WARNING DEVICES

	Manufacturer	Part No.	Quick Ref.	Product Description
	Eaton Electrical Products	**SDR-WEXT-G2-BL-NC**	**0493760**	Sounder external wired Grade 2 blue lens, no cover
	Eaton Electrical Products	**SDR-WEXT-G2-RD-NC**	**0493770**	Sounder external wired Grade 2 red lens, no cover
	Eaton Electrical Products	**SDR-CV**	**0493690**	Sounder cover, white
	Elmdene	**RAPIER-COV-SS**	**0381360**	Stainless steel cover for Rapier sounder RAPIER-G3S-NC
	Elmdene	**RAPIER-G3S-NC**	**0600540**	External Grade 3 wired sounder (no cover)
	Elmdene	**RAPIER-DUM-SS**	**0744400**	Rapier decoy sounder
	Texecom	**FCA-0086**	**0656160**	Premier Elite Odyssey 1 back - External sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCA-0087**	**0656170**	Premier Odyssey 1E backplate - External sounder and strobe backplate with single piezo sounder, 109dB volume, IP44 environmental protection, advanced microprocessor technology, lid and wall tamper
	Texecom	**FCA-0410**	**0723960**	Odyssey 1 cover white/blue - Cover for Odyssey 1 backplate
	Texecom	**FCA-0060**	**0656150**	Odyssey 1 back assembly dummy - External sounder backplate with no electronics
	Texecom	**FCB-0049**	**0619760**	Odysssey 2 dummy back assembly - External sounder backplate with no electronics
	Texecom	**FCB-0065**	**0724920**	Premier Elite Odyssey 2 back - External sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCB-0066**	**0619770**	Premier Odyssey 2E backplate - External sounder and strobe backplate with single piezo sounder, 109dB volume, IP44 environmental protection, advanced microprocessor technology, lid and wall tamper
	Texecom	**FCB-0101**	**0627020**	Odyssey 2 cover white/blue - Cover for Odyssey 2 backplate
	Texecom	**FCC-0966**	**0590060**	Odyssey 3 dummy back - External sounder backplate with no electronics
	Texecom	**FCC-1108**	**0724910**	Odyssey 3M back assembly - External sounder and strobe backplate with 1.5mm galvanised steel enclosure, twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCC-1111**	**0612000**	Premier Elite Odyssey 3 backplate - External sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCC-1112**	**0590050**	Premier Odyssey 3E backplate - External sounder and strobe backplate with single piezo sounder, 109dB volume, IP44 environmental protection, advanced microprocessor technology, lid and wall tamper
	Texecom	**FCC-1169**	**0612670**	Odyssey 3 cover white/blue - Cover for Odyssey 3 backplate
	Texecom	**FCD-0258**	**0617240**	Premier Elite Odyssey 4 back blue lens - External sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCD-0266**	**0676600**	Premier Elite Odyssey 4 back red lens - External sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCD-0261**	**0617460**	Premier Odyssey 4E back blue lens - External sounder and strobe backplate with single piezo sounder, 109dB volume, IP44 environmental protection, advanced microprocessor technology, lid and wall tamper
	Texecom	**FCD-0348**	**0627030**	Odyssey 4 cover white - Cover for Odyssey 4 backplate
	Texecom	**FCD-0269**	**0624960**	Blue Odyssey 4 dummy back assembly - External sounder backplate with no electronics
	Texecom	**FCE-0001**	**0612050**	Odyssey 5 cover white/blue - Cover for Odyssey 5 backplate
	Texecom	**FCE-0033**	**0612010**	Odyssey 5 dummy back - External sounder backplate with no electronics
	Texecom	**FCE-0042**	**0612020**	Premier Elite Odyssey 5 backplate - External sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology screw, lid and wall tamper
	Texecom	**FCE-0043**	**0612030**	Premier Odyssey 5E back - External sounder and strobe backplate with single piezo sounder, 109dB volume, IP44 environmental protection, advanced microprocessor technology, lid and wall tamper.
	Texecom	**WDC-0001**	**0747530**	Odyssey X-BE - External sounder backplate with integral backlight, 109dB piezo sounder, wall and cover tamper, alternating white LED indication
	Texecom	**WDC-0002**	**0747520**	Odyssey X-B - External sounder backplate with integral backlight, 115dB twin piezo sounder, wall and cover tamper, alternating white LED indication, battery monitoring with fault output
	Texecom	**WDD-0001**	**0747510**	Odyssey X-E - External sounder backplate with 109dB piezo sounder, wall and cover tamper, alternating white LED indication
	Texecom	**WDD-0002**	**0747500**	Odyssey X - External sounder backplate with 115dB twin piezo sounder, wall and cover tamper, alternating white LED indication
	Texecom	**WDE-0001**	**0747540**	Odyssey X-Dummy - External sounder backplate with no electronics
	Texecom	**WDA-0001**	**0747440**	Odyssey X1 cover (white/blue) - Cover for Odyssey X backplate in rectangular shape
	Texecom	**WDA-0002**	**0747450**	Odyssey X1 cover (white/red) - Cover for Odyssey X backplate in rectangular shape
	Texecom	**WDA-0003**	**0586340**	Odyssey X1 cover (white/white) - Cover for Odyssey X backplate in rectangular shape
F	Texecom	**WDA-0004**	**0764880**	Odyssey X1 cover (black/blue) - Cover for Odyssey X backplate in rectangular shape
	Texecom	**WDA-0005**	**0397490**	Odyssey X1 cover (black/red) - Cover for Odyssey X backplate in rectangular shape
	Texecom	**WDA-0006**	**0586350**	Odyssey X1 cover (black/white) - Cover for Odyssey X backplate in rectangular shape
	Texecom	**WDA-0007**	**0747460**	Odyssey X1 cover (white/green) - Cover for Odyssey X backplate in rectangular shape
	Texecom	**WDA-0008**	**0673660**	Odyssey X1 cover (black/green) - Cover for Odyssey X backplate in rectangular shape
G	Texecom	**WDB-0001**	**0746960**	Odyssey X3 cover (white/blue) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0002**	**0767770**	Odyssey X3 cover (white/red) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0003**	**0768630**	Odyssey X3 cover (white/white) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0004**	**0747470**	Odyssey X3 cover (black/blue) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0005**	**0747480**	Odyssey X3 cover (black/red) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0006**	**0749870**	Odyssey X3 cover (black/white) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0007**	**0747490**	Odyssey X3 cover (black/green) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0008**	**0495140**	Odyssey X3 cover (white/green) - Cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0012**	**0904300**	Odyssey X3 cover (red/red) cover for Odyssey X backplate in hexagonal shape
	Texecom	**WDB-0013**	**0904310**	Odyssey X3 cover (red/white) cover for Odyssey X backplate in hexagonal shape
	Texecom	**FCF-0001**	**0724960**	Odyssey 5 Compact cover (white/blue) - Cover for Odyssey 5 Compact backplate
	Texecom	**FCF-0004**	**0724940**	Premier Elite Odyssey 5 Compact backplate - Ultra compact low profile sounder and strobe backplate with twin piezo sounders, 115dB volume, IP65 environmental protection, advanced microprocessor technology, lid and wall tamper
	Texecom	**FCF-0005**	**0724930**	Premier Odyssey 5E Compact back - Ultra compact low profile external sounder and strobe backplate with single piezo sounder, 109dB volume, IP44 environmental protection, advanced microprocessor technology, lid and wall tamper
	Texecom	**FCF-0080**	**0724930**	Odyssey 5 Compact dummy back - External sounder backplate with no electronics

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	Manufacturer	Part No.	Quick Ref.	Product Description
COMMUNICATIONS				
	Eaton Electrical Products	**08400UK-21**	**0492930**	Communicator 8 channel 12VDC for intruder devices
	Eaton Electrical Products	**I-SD02**	**0493520**	Plug-on digital communicator by recorded message and SMS via PSTN
	Eaton Electrical Products	**I-WIFI01**	**0493530**	Plug-on WiFi adaptor
	Eaton Electrical Products	**SD1-UK**	**0493670**	Standalone speech dialler via PSTN, up to four recipients
	Eaton Electrical Products	**SD3**	**0493680**	Standalone speech dialler, via PSTN and GSM
	Eaton Electrical Products	**SD-GSM**	**0493660**	Standalone speech dialler, via GSM
	Eaton Electrical Products	**TSD2-UK**	**0493800**	Standalone speech dialler via PSTN, up to ten recipients
	Eaton Electrical Products	**COM-DATA-4G**	**0586870**	Eaton SecureConnect 4G cloud communicator
	Eaton Electrical Products	**COM-SD-PSTN**	**0686170**	Plug-on digital communicator by recorded message and SMS via PSTN
	Eaton Electrical Products	**COM-SD-GSM**	**0806650**	Plug-on digital communicator by recorded message and SMS via GSM
	GJD	**GJD710**	**0625660**	GSM speech and text dialler up to 9 telephone numbers 6 inputs/4 outputs
A	HKC	**UKGSM-WiFi**	**0754320**	GSM-SecureComm with world SIM and WiFi
	HKC	**UKLan-Card**	**0798400**	Ethernet Adapter card - SecureComm
	HKC	**UKWiFi-Card**	**0097810**	WiFi card - SecureComm
	Honeywell	**A083-00-10**	**0669030**	Galaxy Flex integrated IP module
	Honeywell	**E080-10**	**0669110**	Galaxy Dimension integrated IP module
	Texecom	**CEJ-0001**	**0527390**	Premier Elite Com IP
	Texecom	**CEL-0001**	**0338160**	SmartCom - Ethernet or WiFi communicator for connecting Premier Elite systems to Texecom Connect and Texecom Cloud
	Texecom	**CEL-0007**	**0872850**	Smartcom 4G - 4G plus Ethernet or WiFi communicator for connecting Premier Elite systems to Texecom Connect and Texecom Cloud
AUDIO/CONFIRMATION				
	GJD	**GJD090**	**0238380**	Multispeech 4 channel speech enunciator
	GJD	**GJD090K**	**0539010**	Multispeech 4 enunciator and PSU in an IP65 box comes with 8W 8 Ohm speaker
APPLICATIONS/HARDWARE				
	Honeywell	**YY0-0010**	**0585810**	Software intrusion dongle for RSS & UMS

A UKGSM-WiFi

- The GSM-WiFi unit offers Grade 3 dual-path signalling via SecureComm
- SecureComm provides a heartbeat (polled) connection to the GSM-WiFi which will signal a loss of communication in the event of an interruption in both paths
- Plugs directly onto both the Quantum 70 panel and the SW-1070 panels
- Alarm reports from the system via Smartphone App and SMS text messaging
- Can be configured to Signal Monitoring Centre/ ARC in the event of a loss of communication
- Supports high-speed upload/download via SmartLink 700

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Manufacturer	Part No.	Quick Ref.	Product Description
EXTERNAL BEAMS & PIR			
GJD	**GS100**	**0875890**	ATEX certified 100m Infra-Red beam set for Hazardous areas Zone 1 & 2
Optex	**SL-350QDM**	**0710060**	100m quad beam hardwired dual modulation freq select auto adjustment beam set
Optex	**SL-350QDP**	**0710070**	100m quad beam hardwired dual modulation freq select beam set
Optex	**SL-350QN**	**0710080**	100m quad beam hardwired beam set
Optex	**SL-350QDP-BT**	**0734770**	Smart Line quad beam 100m photo beam for use in beam towers, 4 x channel - Professional
Redwall (Optex)	**SIP-3020WFLT**	**0625750**	Redwall-V 30mx20m low current external PIR with luminite transmitter
Texecom	**GBW-0001**	**0206660**	Premier external TD-W black - Wireless outdoor security motion sensor, 12m volumetric range adjustable to 8, 5 or 2m, 90° viewing angle rotatable through 180°, day/night mode
Texecom	**GBW-0002**	**0763740**	Premier external TD-W white - Wireless outdoor security motion sensor, 12m volumetric range adjustable to 8, 5 or 2m, 90° viewing angle rotatable through 180°, day/night mode
DUAL TECH DETECTORS			
Optex	**QXI-DT-X8**	**0873830**	12m, 120°, wired outdoor PIR with anti-blocking, dual-technology, two layers of detection and tolerance to small animals
Optex	**QXI-RDT-X8**	**0875600**	12m, 120°, wireless outdoor PIR, dual-technology, two layers of detection and tolerance to small animals
WIRELESS PASSIVE INFRA-RED DETECTION			
Optex	**AX-200TFR**	**0515290**	60m dual beam wireless ready freq select beam set
Optex	**SL-350QFR**	**0626570**	100m quad beam wireless ready freq select beam set
Optex	**SL-200TNR**	**0824650**	60m dual beam wireless or hybrid without batteries
PIR & DUAL TECHNOLOGY ACCESSORIES			
Optex	**LSH20**	**0515150**	Long life battery for AX/SL wireless beam range

NORBAIN BASICS – WHAT IS SECURITY?

As a security solutions installer, do you ever want to take a step back and understand "The need for security"?

Buzz walks us through why we need security and what level might be appropriate for different scenarios.

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	Manufacturer	Part No.	Quick Ref.	Product Description
	PAGING			
	Scope	**PTPRO/2L**	**0904510**	PageTek Pro 2 Paging transmitter for the hard of hearing. 1.0W RF output. Requires aerial, pagers & 18Ah battery. BS5839-1 2013
	Scope	**PTPRO/2LM**	**0904520**	PageTek Pro 2 Paging transmitter for the hard of hearing. With serial input from third-party panel (confirm compatibility and configuration with Scope sales before ordering) 1.0W RF output. Requires aerial, pagers & 18Ah battery. BS5839-1 2013
	Scope	**GE040A10M**	**0677320**	GEO 2-line alphanumeric pager with holster and safety cord
	Scope	**GE087ZM**	**0677330**	GEO 4-line/8-line alphanumeric pager with holster and safety cord
A	Scope	**CX6M**	**0756310**	Connexions 6 230V, with protocol module
	Scope	**PEN4**	**0756320**	MPA UHF pendant TX with neck cord
	Scope	**PT4-05-12V**	**0749630**	12V 5 zone pagetek comes with aerial
	Scope	**EPOCSM**	**0823050**	EPOC Responder with charger
	WIRELESS RX/TX & REPEATERS			
	Scope	**TLINK12V**	**0738780**	12VDC powered 10 zone receiver & 5 zone transmitter kit
	Scope	**FLINK4KIT**	**0475340**	Pair of F-link transceivers with aerials 12-24VDC 0.5A
	INTERNAL WARNING DEVICES			
B	Hoyles	**A600LKITM**	**0557660**	Accessible disabled persons toilet alarm kit - mains powered

A CX6M

- Provides integrated paging solution for many Security, Fire, Nursecall or Door entry applications
- Connexions product as illustrated has protocol conversion software allowing RS232 connection to almost any Fire, Security or Nursecall system, enabling the information displayed on the panel to be transmitted to pocket worn or fixed wall mounted pages
- 8 x voltage-free programmable trigger inputs via optional easy-install dry contact interface box
- Standard 1Watt & high powered 2Watt models available with two or three serial ports in mains powered or 12VDC versions
- Comprehensive choice of pager models sold separetely to complement the chosen transmitter/application

B A600LKITM

- BS8300 compliant
- Alarm relay output
- Four selectable warning tones
- Backup battery & condition monitor
- Used as assistance alarm in changing rooms, interview rooms or reception areas
- Battery version available

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	INTERNAL WARNING DEVICES			
	Hoyles	**A600LKITB**	**0570370**	Accessible disabled persons toilet alarm kit - battery powered
A	Hoyles	**A600WKITM**	**0893390**	Wireless accessible disabled persons toilet alarm kit with mains powered controller
	Hoyles	**A600WKITB**	**0893400**	Wireless accessible disabled persons toilet alarm kit with battery powered controller
B	Hoyles	**EX104G**	**0554490**	Battery powered Exitguard door alarm with keyswitch control - green
C	Hoyles	**EX104R**	**0735970**	Battery powered Exitguard door alarm with keyswitch control - red
	Hoyles	**EX105G**	**0466560**	12VDC powered Exitguard door alarm with keyswitch control - green
	Hoyles	**EX105R**	**0735980**	12VDC powered Exitguard door alarm with keyswitch control - red
	Hoyles	**EX105SF**	**0568110**	12VDC powered flush Exitguard door alarm with keyswitch control - stainless steel
	Hoyles	**EX106G**	**0490730**	Mains powered Exitguard door alarm with keyswitch control - green
	Hoyles	**EX106R**	**0705930**	Mains powered Exitguard door alarm with keyswitch control - red
	Hoyles	**EX204**	**0583840**	Battery powered Exitguard door alarm with keypad control
	Hoyles	**EX205**	**0440620**	12VDC powered Exitguard door alarm with keypad control
	Hoyles	**EX206**	**0570880**	Mains powered Exitguard door alarm with keypad control
	Hoyles	**ZG800**	**0583870**	Zoneguard Grade 3 zone omit unit EN50131-3:2009 Env. Class II
	Hoyles	**TAM401**	**0735990**	12VDC self contained talking alarm module with loud speaker
	Hoyles	**TAMREC**	**0757960**	Professional recording of up to four short messages
D	Hoyles	**TAM401WP**	**0850170**	Weatherproof talking alarm module - Chatterbox
E	STI	**STI-6400**	**0476250**	Exit Stopper, prevents unauthorised exits & entries through Fire doors
	WIRELESS RX/TX & REPEATERS			
F	Hoyles	**WLR121KIT**	**0755600**	Secure-a-link wireless relay transmitter/receiver system

A A600WKITM

- Accessible disabled persons Wireless toilet alarm kit
- BS8300 compliant
- Alarm relay output
- All ancillary items are battery powered
- Audible & visual signalling and indication
- All required batteries supplied
- 200m range in free space, 50m range inside dependant of on building fabric

B EXITGUARD RANGE

- Deter the misuse of emergency exit doors
- High power 105dB sounder
- Battery, 12VDC and mains versions with keyswitch & keypad options
- Auto reset/re-arm & alarm relay output
- Selectable alarm tones
- 5 year warranty

C EX104R

- Deter the misuse of emergency exit doors
- High power 105dB sounder
- Battery, 12VDC and mains versions
- Auto reset/re-arm & alarm relay output
- Selectable alarm tones
- 5 year warranty

D TAM401WP

- Weatherproof talking alarm module with loud speaker
- Unit requires a supply of 12VDC
- Eight inputs trigger up to eight different sounds
- SD memory card included
- Over 40 standard messages provided FOC

E STI-6400

- Prevents unauthorised exits and entries
- Tough polycarbonate housing, also available in green
- 95/105dB alarm and visual beacon when activated
- Choice of 21 language labels for global use
- 3 year guarantee, 1 year on electrics
- 135Hx136Wx50Dmm

F WLR121KIT

- Identical transceiver units, paired together
- 12VDC powered
- Transmit up to 200ft in free space
- Signal strength display - 868MHz band
- SPCO 1A relay outputs
- Tamper/fault output

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Experience
The Norbain Advantage

Dedicated sales teams

- Available 8.30am to 6.00pm
- Dedicated, friendly sales teams with extensive industry experience
- Field-based and internal teams
- Excellent IP knowledge
- Highly accredited staff
- Worldwide sales support

Want to find out more about how Norbain can support your business?
Contact us today:

info@norbain.com norbain.com 0118 912 5000

EXTERNAL DETECTION

External Detection systems can be used for multiple applications from Lighting to IP-CCTV control.

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Outdoor PIR detector

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Perimeter Detection

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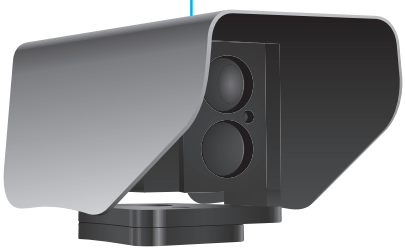
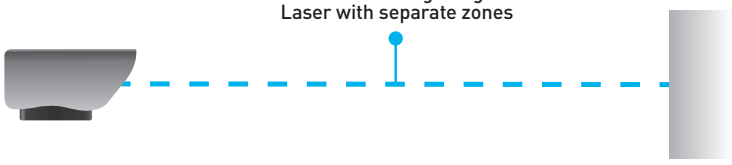
Laser Surveillance Sensor





Reflected Long Range Laser with separate zones

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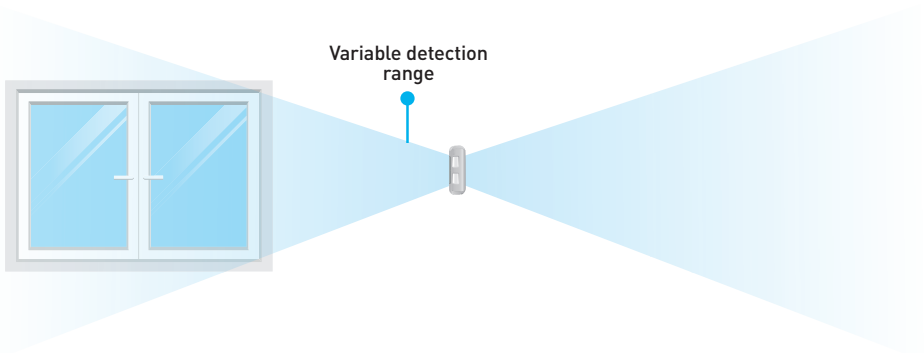
Perimeter Detection



Variable detection range

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Experience
The Norbain Advantage

Pre-configuration service

- Programming of IP addresses into cameras and servers to make all devices present on the network
- Setting up camera streams for quality and rate in accordance with client requirements
- Configuration of software/NVR to communicate with cameras
- Installation of software onto servers
- Configuration of software/NVR to record streams
- Labelling of all cameras and equipment

Want to find out more about how Norbain can support your business?
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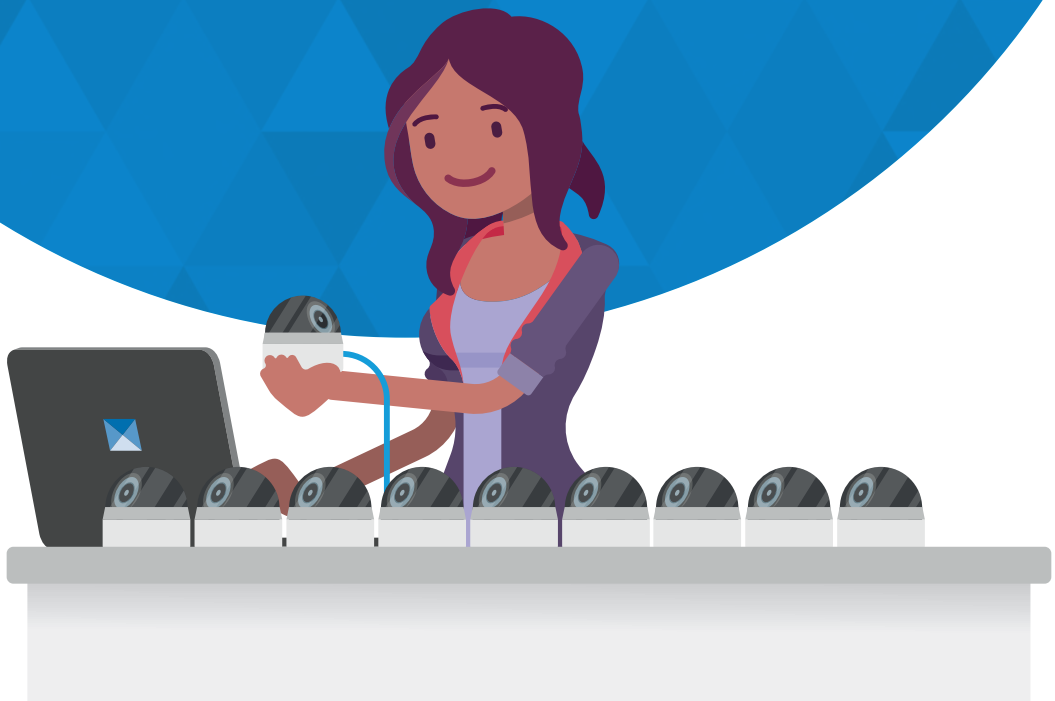


Manufacturer	Part No.	Quick Ref.	Range/Coverage	Input Voltage	BS8418 Compliant	Creepzone Detection	Anti-Mask	Optimum Mounting Height
PIR DETECTORS								
GJD	**GJD022**	**0051120**	35x30m	9-15VDC	-	-	-	3-6m (Optimum 3m)
GJD	**GJD023**	**0200910**	35x30m	9-15VDC	-	-	-	3-6m (Optimum 3m)
GJD	**GJD300**	**0272190**	30x30m	12-24VAC/DC	✓	✓ (Mirror supplied)	-	3-6m (Optimum 3m)
GJD	**GJD350**	**0315980**	50m 10m & 50x5m	12-24VAC/DC	✓	✓ (Mirror supplied)	-	3m
GJD	**GJD230**	**0748510**	30x30m	PoE	✓	✓ (Mirror supplied)	-	3-6m (Optimum 3m)
GJD	**GJD250**	**0721530**	50m 10m & 50x5m	PoE	✓	✓ (Mirror supplied)	-	3m
GJD	**GJD359**	**0875530**	50m 10m & 50x5m	9-15VDC	✓	✓ (Mirror supplied)	✓	3m
GJD	**GJD150/W**	**0894000**	12x2m	9-15VDC	✓	-	-	2-2.4m
GJD	**GJD320**	**0894010**	60x6m	9-15VDC	✓	-	-	2-2.6m
Honeywell	**CH10053001**	**0715910**	21x24m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10055001**	**0740290**	24x21m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10055101**	**0798340**	30x27m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10053101**	**0798350**	27x30m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10063001**	**0713410**	30x20m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10073001**	**0740310**	40x10m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10023001**	**0740320**	50x3.3m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10023101**	**0719470**	60x3.9mm	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10033101**	**0719460**	150x3.3m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Honeywell	**CH10033001**	**0740350**	120x2.9m	10.5-30VDC/24VAC (+/-15%)	✓	✓	✓	2.5-4m
Optex	**WXI-ST**	**0577410**	2.5-12m	9.5-18VDC	-	-	-	0.8-1.2m
Optex	**WXI-R**	**0579280**	2.5-12m	9.5-18VDC	-	-	-	0.8-1.2m
Optex	**VXI-ST**	**0584800**	2.5-12m	9.5-18VDC	-	-	-	0.8-1.2m
Optex	**BXS-ST**	**0348170**	24m (12m each side)	9.5-18VDC	-	-	-	0.8-1.2m
Optex	**BXS-R**	**0689080**	24m (12m each side)	3-9VDC	-	-	-	0.8-1.2m
Optex	**FLX-S-ST**	**0903960**	12x18m	9.5-16VDC	-	-	-	2-3m
Redwall (Optex)	**SIP-3020**	**0500630**	30x20m	11-16VDC/22-26VAC	✓	-	✓	2.3-4m
Redwall (Optex)	**SIP-3020WFLT**	**0625750**	30x20m	11-16VDC/22-26VAC	✓	-	✓	2.3-4m
Redwall (Optex)	**SIP-4010**	**0504620**	40x10m	11-16VDC/22-26VAC	✓	-	✓	2.3-4m
Redwall (Optex)	**SIP-404**	**0500620**	40x4m	11-16VDC/22-26VAC	✓	-	✓	2.3-4m
Redwall (Optex)	**SIP-5030**	**0500680**	50x30m	11-16VDC/22-26VAC	✓	-	✓	2.3-4m
Redwall (Optex)	**SIP-100**	**0500670**	100x30m	11-16VDC/22-26VAC	✓	-	✓	2.3-4m
DUAL TECH DETECTORS								
GJD	**GJD140**	**0735650**	12x2m	12VDC	✓	-	✓	2-2.5m
GJD	**GJD140W**	**0727930**	12x2m	12VDC	✓	-	✓	2-2.5m
GJD	**GJD310**	**0272200**	30x30m	12-24VAC/DC	✓	✓ (Mirror supplied)	-	3-6m (Optimum 3m)
GJD	**GJD260**	**0721540**	30x30m	PoE	✓	✓ (Mirror supplied)	-	3-6m (Optimum 3m)
GJD	**GJD371**	**0688590**	15x12m	9-15VDC	✓	-	✓	1.8m
Optex	**QXI-DT-X8**	**0873830**	12m, 120°	9.5-16V	-	-	✓	2.2-2.7m
A Optex	**QXI-RDT-X8**	**0875600**	12m, 120°	9.5-16V	-	-	✓	2.2-2.7m
Texecom	**AFQ-0001**	**0784660**	12m volumetric	9-16VDC	EN50130-4	-	-	1-1.4m (1.2m nominal)
Texecom	**AFQ-0002**	**0527250**	12m volumetric	9-16VDC	EN50130-4	-	-	1-1.4m (1.2m nominal)

OPTEX Sensing Innovation

A QXI-RDT-X8

- 12m, 120° outdoor PIR
- Dual-technology for greater stability, double layered detection and pet tolerant
- High (2.2-2.7m) mount or low mount (0.8-1.2m) for pet alley mode
- SMDA logic and double conductive shielding to minimise nuisance alarms
- The battery-operated QXI-RDT can be easily added on most wireless alarm systems

POCKET-SIZE BUZZ – PERIMETER PROTECTION

Solutions for Perimeter Protection are becoming increasingly more affordable for those businesses traditionally seen as medium to low risk.

And protection at the very edge of your site means action can be taken at the earliest opportunity when there is a breach.

Pocket-size Buzz introduces this interesting topic.

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
LASER DETECTORS AND ACCESSORIES				
	GJD	**GJD500**	**0625670**	D-TECT Laser 25x25m 4 layer laser detector
	GJD	**GJD505**	**0742270**	D-TECT Laser 5x5m 4 layer laser detector
	GJD	**GJD509**	**0755430**	D-TECT Laser 10x10m 4 layer laser detector
	GJD	**GJD501**	**0755400**	D-TECT Laser programmer
	GJD	**GJD511**	**0768520**	D-TECT Laser bracket
	GJD	**GJD513**	**0768530**	D-TECT Laser spotfinder
	Redwall (Optex)	**RLS-3060V**	**0875610**	REDSCAN PRO Hybrid Laser sensor, 30x60m
A	Redwall (Optex)	**RLS-50100V**	**0875620**	REDSCAN PRO Hybrid Laser sensor, 50x100m

	Manufacturer	Part No.	Quick Ref.	Range/Coverage	Input Voltage	BS8418 Compliant	Creepzone Detection	Anti-Mask	Optimum Mounting Height
GJD WIRELESS DECTECTORS - PIR									
	GJD	**GJD430**	**0719760**	30x30m	2 x CR123 Battery	✓	-	-	3-6m (Optimum 3m)
	GJD	**GJD450**	**0742930**	50x10m	2 x CR123 Battery	✓	-	-	3m
	GJD	**GJD830R**	**0625680**	30x30m	2 x CR123 Battery	✓	-	-	3-6m (Optimum 3m)
	GJD	**GJD850R**	**0625700**	50x10m	2 x CR123 Battery	✓	-	-	3m
	GJD	**GJD630**	**0827000**	30x30m	2 x CR123 Battery	✓	-	-	3-6m (Optimum 3m)
	GJD	**GJD460**	**0875150**	15x15m	2 x CR123 Battery	✓	-	-	3m
	GJD	**GJD660**	**0880380**	15x15m	2 x CR123 Battery	-	-	-	3m
GJD WIRELESS RECEIVERS & TRANSMITTERS									
	GJD	**GJD392**	**0383170**	D-TECT X wireless 4 channel receiver					
	GJD	**GJD393**	**0383180**	D-TECT X 4 detector expansion module					
	GJD	**GJD397**	**0564690**	D-TECT X 500m repeater					
GJD RFX SYSTEM									
	GJD	**GJD017**	**0213350**	RFX-3 150m wireless receiver					
	GJD	**GJD018**	**0102640**	Opal RFX 35m wireless single PIR					
GJD LORA SYSTEM									
	GJD	**GJD1220**	**0893990**	LoRa wireless input/output module					
	GJD	**GJD1230**	**0893980**	LoRa wireless 30m PIR D-TECT LX					
	GJD	**GJD1200**	**0893960**	LoRa Gateway, wireless receiver and IP interface up to 2km					
	GJD	**GJD1210/B**	**0893970**	LoRa controlled LX speaker up to four messages - black					
	GJD	**GJD1210/W**	**0894020**	LoRa controlled LX speaker up to four messages - white					

OPTEX Sensing Innovation

A RLS-50100V

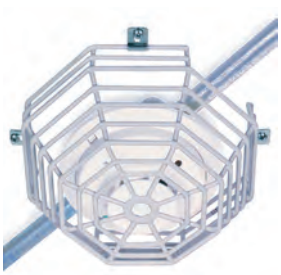
- Analytics recognising moving object's size, speed and distance from the unit
- Long range, 50x100m, customisable vertical or horizontal detection
- Built-in assistance camera, for easy installation and alarm event review
- Up to 8 detection zones with configurable sensitivity, target size and output
- The RLS-50100V LiDAR is an ONVIF profile S compliant sensor
- Horizontal, vertical and tilted mounting options

STI®

B STI-9614

- Heavy-duty cage protects beacons and sounders
- Protects against misuse, vandalism and damage
- Heavy-duty galvanised steel rod with plastic coating
- Quick and easy installation over existing device
- 3 year guarantee against breakage in normal use
- 198Hx198Wx152Dmm (internal dimensions)

STI®



C STI-9602

- Heavy-duty cage protects smoke detectors
- Protects against misuse, vandalism and damage
- Heavy-duty galvanised steel rod with plastic coating
- Quick and easy installation over existing device
- 3 year guarantee against breakage in normal use
- 210Hx210Wx108Dmm (internal dimensions)

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
OPTEX WIRELESS - TRANSMITTER				
	Optex	**BGR-01**	**0779850**	Optex ricochet enabled wireless transmitter
OPTEX WIRELESS - DETECTOR				
	Optex	**VXI-CMOD**	**0587360**	Visual verification add-on CAM for VXI-ST/AM/DAM
GJD ACCESSORIES				
	GJD	**GJD380**	**0353530**	D-TECT audible/visible walk tester for wired detectors
	GJD	**GJD304**	**0290820**	D-TECT conduit cable entry adaptor ring
	GJD	**GJD308**	**0374360**	D-Guard anti vandal cage
	GJD	**GJD394**	**0383190**	D-TECTX wireless signal strength and detection tester
	GJD	**GJD149**	**0727940**	Swivel bracket for GJD140, silver
	GJD	**GJD149W**	**0727950**	Swivel bracket for GJD140W, white
HONEYWELL ACCESSORIES				
	Honeywell	**CH11005001**	**0740400**	PRO E-IPM, pluggable IP module for connecting the ADPRO PRO E-PIR detector to a network, power is supplied via Power over Ethernet (PoE)
	Honeywell	**CH19000301**	**0746040**	PRO E-IPM, pluggable IP module, bi-directional communication, with cables, w/FW-/SW-CD
	Honeywell	**CH18000101**	**0824500**	Telescope for precise adjustment of medium and long range ADPRO PRO E-PIR detectors
REDWALL (OPTEX) ACCESSORIES				
	Redwall (Optex)	**SIP-AT**	**0581600**	SIP series adjustment tool kit contains AWT-3 and AVF-1
STI ACCESSORIES				
B	STI	**STI-9614**	**0622870**	Heavy duty cage prevents damage to beacons & sounders (198x198x152mm)
C	STI	**STI-9602**	**0380780**	Heavy duty cage protects smoke and heat detectors (210diax108Dmm)
D	STI	**STI-9625**	**0621410**	Heavy duty cage for smoke beams and external lighting (200x260x321mm)

	Manufacturer	Part No.	Quick Ref.	Range/Coverage	Input Voltage	BS8418 Compliant	Creepzone Detection	Anti-Mask	Optimum Mounting Height
TEXECOM WIRELESS DETECTORS - PIR									
	Texecom	**GBW-0001**	**0206660**	12m volumetric	12VDC	EN50131-5-3	-	-	1-1.4m (1.2m nominal)
	Texecom	**GBW-0002**	**0763740**	12m volumetric	12VDC	EN50131-5-3	-	-	1-1.4m (1.2m nominal)

	Manufacturer	Part No.	Quick Ref.	Product Description
LIGHTING PIR DETECTORS				
	GJD	**GJD020**	**0051080**	Opal XL 35m PIR motion detector
	GJD	**GJD332**	**0491830**	Mini Opal 30m PIR motion detector, silver
LIGHTING CONTROLLERS				
	GJD	**GJD910**	**0353540**	DygiZone 4 zone lighting controller, silver
	GJD	**GJD910W**	**0520260**	DygiZone 4 zone lighting controller, white
	GJD	**GJD010**	**0051070**	Emerald 2 zone lighting controller
	GJD	**GJD040**	**0490870**	4 zone expansion unit for Dygizone controller
	GJD	**GJD065**	**0238370**	Multiswitch 3000 photocell controlled relays

D STI-9625

- Cage helps protect against vandalism and damage
- Retrofit over external lights, CCTV, smoke beams
- Heavy-duty coated steel rod
- Fast and easy installation
- 3 year guarantee against breakage in normal use
- 200Hx260Wx321Dmm

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

POWER & CONNECTIVITY

Below are examples of the accessories often required to complete installations for an IP or Analogue CCTV, Access Control, Intruder and External Detection system. Please be sure to speak with your Norbain Sales Team for further information.

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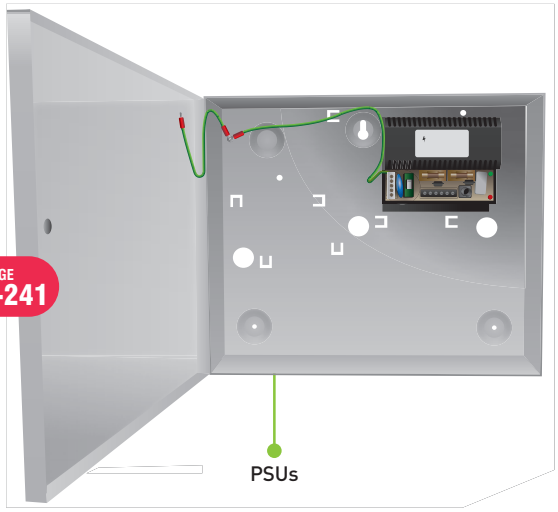
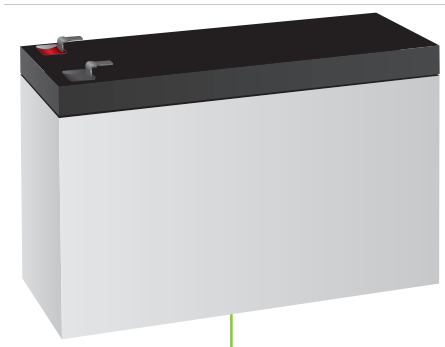


PSUs



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Batteries

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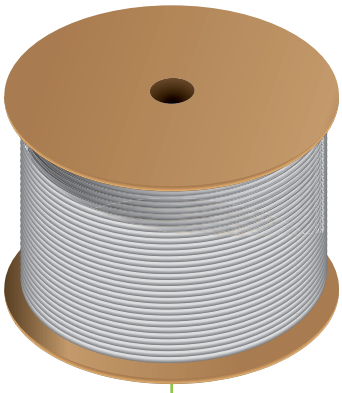
Vista Essential Range



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Cable

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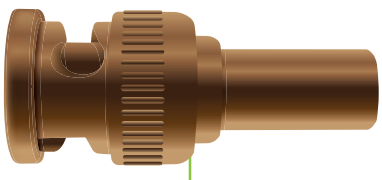

Connectors & Adaptors

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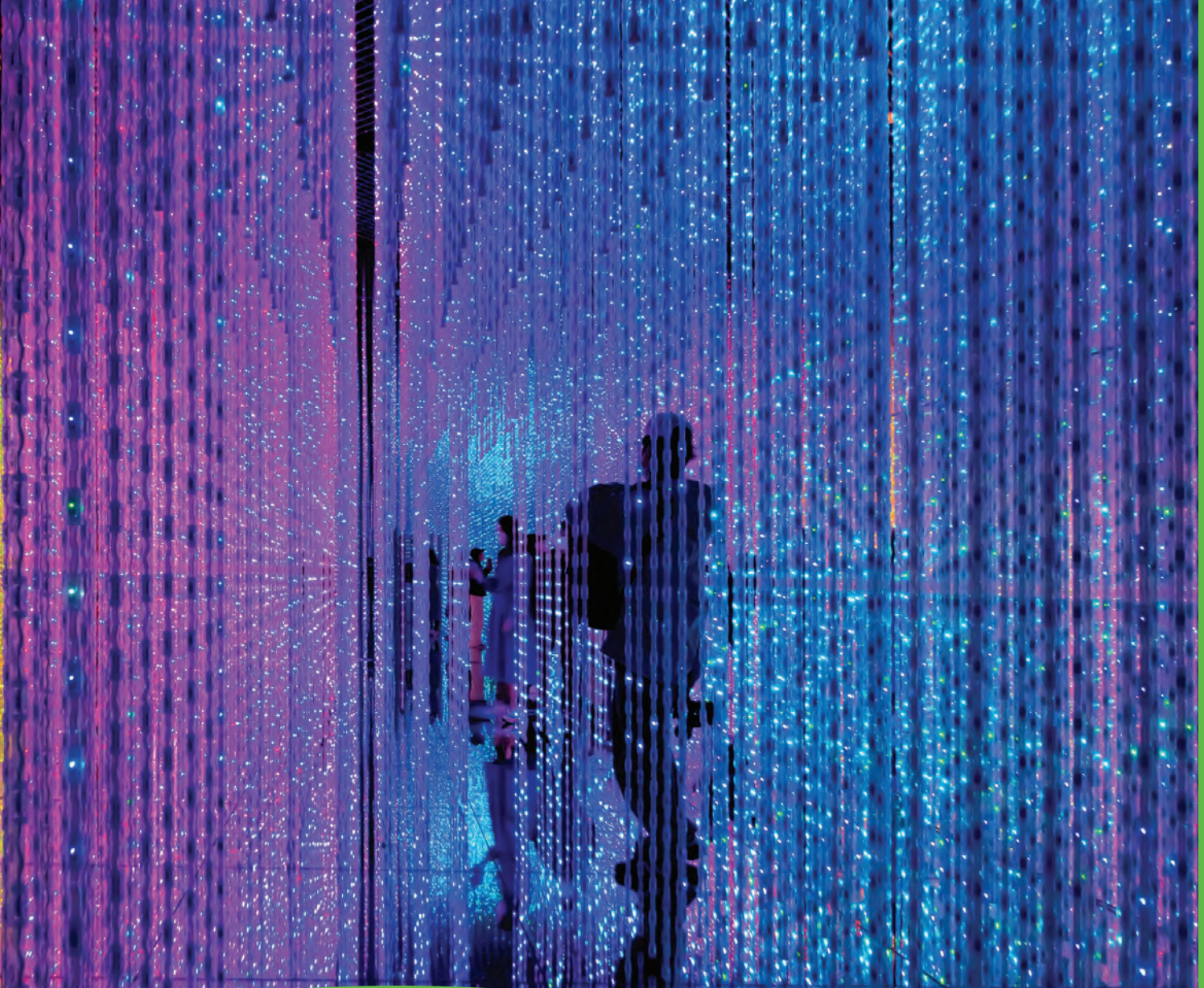
Cabinets & Accessories



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	Manufacturer	Part No.	Quick Ref.	Input Voltage	Current	No. of Outputs	Battery Monitored	Battery Size
	12VDC PSUS CHASSIS/DIN RAIL MOUNT							
	AMG Systems	**AMGPSU-I12-P24**	**0866690**	85-264VAC	2A	1	-	-
	AMG Systems	**AMGPSU-I12-P54**	**0870030**	85-264VAC	4.5A	1	-	-
	12VDC PSUS ENCAPSULATED							
	Vista	**VPSU12UNIVe**	**0785260**	90-264V	5A/60W	1x5000mA	-	-
A	Vista	**VPSU12-500e**	**0785190**	90-264V	0.5A/6W	1x5000mA	-	-
	Vista	**VPSU12-1000e**	**0785200**	90-264V	1A/12W	1x1A	-	-
	Vista	**VPSU12-2000e**	**0785210**	90-264V	2A/24W	1x2A	-	-
	12VDC BOXED PSUS WITH BATTERY BACKUP FACILITY							
	Elmdene	**G13801BM-A**	**0701120**	90-264VAC	1A	1	✓	12V 7Ah
	Elmdene	**G13801N-A**	**0554560**	90-264VAC	1A	1	-	12V 7Ah
	Elmdene	**G13801N-C**	**0606410**	90-264VAC	1A	1	-	12V 17Ah
	Elmdene	**G13802BM-B**	**0711520**	90-264VAC	2A	1	✓	12V 17Ah
	Elmdene	**G13802N-A**	**0554570**	90-264VAC	2A	1	-	12V 7Ah
	Elmdene	**G13802N-C**	**0565490**	90-264VAC	2A	1	-	12V 17Ah
	Elmdene	**G13803BM-C**	**0755720**	90-264VAC	3A	1	✓	12V 17Ah
	Elmdene	**G13803N-A**	**0554620**	90-264VAC	3A	1	-	12V 7Ah
	Elmdene	**G13803N-C**	**0565510**	90-264VAC	3A	1	-	12V 17Ah
	Elmdene	**G13803N-B**	**0565500**	90-264VAC	3A	1	-	12V 17Ah
	Elmdene	**G13804BM-B**	**0565540**	90-264VAC	4A	1	✓	12V 17Ah
	Elmdene	**G13804N-4-C**	**0750130**	90-264VAC	4A	4x1A	-	12V 17Ah
	Elmdene	**G13804N-B**	**0569320**	90-264VAC	4A	1	-	12V 17Ah
	Elmdene	**G13804N-C**	**0627510**	90-264VAC	4A	1	-	12V 17Ah
	Elmdene	**G13805BM-C**	**0565560**	90-264VAC	5A	1	✓	12V 17Ah
	Elmdene	**G13805N-B**	**0554600**	90-264VAC	5A	1	-	12V 17Ah
	Elmdene	**G13805N-C**	**0564130**	90-264VAC	5A	1	-	12V 17Ah
	Elmdene	**G13810BM-8-C**	**0565570**	90-264VAC	10A	1	✓	2 x 7Ah
	Elmdene	**GEN2-08-A**	**0624480**	90-264VAC	1A	1	✓	1 x 7 or 8Ah
	Elmdene	**GEN2-08-B**	**0624490**	90-264VAC	1A	1	✓	1 x 7 or 8Ah
	Elmdene	**GEN2-18-B**	**0624500**	90-264VAC	1.5A	1	✓	1 x 17 or 18Ah
	Elmdene	**GEN2-18-C**	**0624510**	90-264VAC	1.5A	1	✓	1 x 17 or 18Ah
	Elmdene	**GEN3-08-A**	**0624520**	90-264VAC	1A	1	✓	1 x 7 or 8Ah
	Elmdene	**GEN3-08-B**	**0624530**	90-264VAC	1A	1	✓	1 x 7 or 8Ah
	Elmdene	**GEN3-18-B**	**0624540**	90-264VAC	1.5A	1	✓	1 x 17 or 18Ah
	Elmdene	**GEN3-18-C**	**0624550**	90-264VAC	1.5A	1	✓	1 x 17 or 18Ah
	Elmdene	**GEN3-34-R**	**0868860**	230VAC (+10%/-15%)	3A	1x3A	✓	2 x 7Ah
	Elmdene	**ACCESS-PSU**	**0128870**	90-264VAC	2A	1	✓	12V 7Ah
	Elmdene	**ACCESS-PSU1**	**0801640**	90-264VAC	4A	4	✓	12V 7Ah
B	Elmdene	**ACCESS-PSU2-8A**	**0207560**	90-264VAC	8A	4	-	12V 17Ah
	Elmdene	**ACCESS-PSU2**	**0801650**	90-264VAC	4A	4	✓	-
	Elmdene	**MULTI-ACCESS-PSU6**	**0801980**	90-264VAC	8A or 4A	8	-	12V mode: 1x 12V 17Ah/24V mode: 2 x 12V 7Ah
	Elmdene	**ACCESS-PSU-N**	**0880950**	90-264VAC	2A	1	-	12V 17Ah

A

vista

VPSU12-500e

Internal:

- 12VDC
- Internal encapsulated PSU

External:

- 12VDC x 8, 4 or 1 outputs
- IP68 external enclosure
- Compression glands and mounting fixings
- Supplied with additional fuses where applicable

Vista 12VDC PSUs are available as either internal encapsulated, with jack plug for quick and efficient installation, or as externally rated IP68 8, 4 and single output units. All external PSUs include individually fused outputs or PTC, with LED indicators for quick fault finding. Suitable for integration into any CCTV system, the external PSU options are lightweight and easy to handle, come with 22mm cable entry glands and, for convenience, are supplied with spare fuses where applicable. Tested to EN50130-4: (Alarm systems, electromagnetic compatibility, product family standard: Immunity requirements for components of fire, intruder and social alarm systems).

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Input Voltage	Current	No. of Outputs	Battery Monitored	Battery Size
	12VDC BOXED PSUS WITH NO BATTERY BACKUP FACILITY							
C	Elmdene	**VRS122000-PTC-P**	**0872200**	90-264VAC	2A	1 PTC	-	-
	Elmdene	**VRS128000-8-T**	**0616540**	90-264VAC	8A	8x1A	-	-
	Elmdene	**VRS1216000-16-S**	**0772410**	200-240VAC	16A	16x1A	-	-
	12VDC PSUS BOXED							
	Vista	**VPSU1221EXTe**	**0785220**	90-264VAC	2A/24W	1x2A	-	-
	Vista	**VPSU1241EXTe**	**0785230**	90-264VAC	4A/48W	1x4A	-	-
	Vista	**VPSU1244EXTe**	**0785240**	90-264VAC	4A/48W	4x1A	-	-
	Vista	**VPSU1248EXTe**	**0785250**	90-264VAC	4A/48W	8x500mA	-	-

Manufacturer	Part No.	Quick Ref.	Product Description
12VDC PSUS RACKMOUNT			
AMG Systems	**AMG2015**	**0626450**	19" Subrack 12 slot with single PSU for AMG rackmount units
AMG Systems	**AMG210C**	**0646760**	19" Subrack 12 slot dual PSUs for AMG210M Media Converters
AMG Systems	**AMG2034**	**0899610**	Industrial retractable rack chassis for AMG DIN rail units, 4U 19" rack mount, -40 to +75°C, integrated cable management, PSU not included, no DC unit connections, compatible with any AMG PSU series DIN rail power supply

	Manufacturer	Part No.	Quick Ref.	Input Voltage	Current	No. of Outputs	Battery Monitored	Battery Size
	12VDC PSUS RACKMOUNT							
	Veracity	**VHW-RMPSU**	**0547900**	100-240V	1.5A	24VDC, 2.7A over 8	-	-
	Veracity	**VPSU-12V-U**	**0547890**	90-264VAC	0.5A Max	1x1A	-	-
	12/24VDC BOXED SWITCHABLE PSUS							
D	Elmdene	**G1224-84N-8-C**	**0728480**	90-264VAC	8A or 4A	8	-	12V mode: 1x 12V 17Ah/24V mode: 2 x 12V 7Ah
	Elmdene	**G1224-42N-C**	**0728390**	90-264VAC	4A or 2A	1	-	12V mode: 1x 12V 17Ah/24V mode: 2 x 12V 7Ah

B ACCESS-PSU2-8A

- Backed by a Lifetime Warranty
- Compatible with most common door controllers
- Accommodates up to 4x door controllers in one enclosure
- 12VDC 8A or 24VDC 4A selectable output setting
- Mains fail fault output

C VRS122000-PTC-P

- Compact CCTV power supply for outdoor applications
- Housed within an IP66 rated enclosure
- For outdoor CCTV applications requiring 12V up to 2A
- Features a regulated switch mode PSU module
- Highly efficient, generating less heat

D G1224-84N-8-C

- Backed by a Lifetime Warranty
- Convenient voltage selectable power supplies with battery back-up
- 12V or 24V output options for flexibility during installation
- Up to 8A in 12V mode or 4A in 24V mode
- Mains fault detection output to signal when mains fails

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Input Voltage	Current	No. of Outputs	IP Rating
24VAC BOXED PSUS							
	Vista	**VPSU2441EXTe**	**0785100**	230VAC (+10%/-15%)	4A/96W	1x4A	IP68
	Vista	**VPSU2444EXTe**	**0785110**	230VAC (+10%/-15%)	4A/96W	4x1A	IP68
	Vista	**VPSU2431EXTe**	**0785090**	230VAC (+10%/-15%)	3A/72W	1x3A	IP68
	Vista	**VPSU2461EXTe**	**0785120**	230VAC (+10%/-15%)	6A/144W	1x6A	IP68
	Vista	**VPSU2488INTe**	**0785140**	230VAC (+10%/-15%)	8A/192W	8x1A	IP68
24VAC ENCAPSULATED PSUS							
A	Vista	**VPSU24VAC-750e**	**0785150**	230VAC (+10%/-15%)	-	1x750mA	-
	Vista	**VPSU24VAC-1500e**	**0785160**	230VAC (+10%/-15%)	-	1x5A	-
	Vista	**VPSU24VAC-2000e**	**0785170**	230VAC (+10%/-15%)	-	1x2A	-
	Vista	**VPSU24VAC-3000e**	**0785180**	230VAC (+10%/-15%)	-	1x3A	-
24VDC BOXED PSUS WITH BATTERY BACK UP FACILITY							
	Elmdene	**G2401N-C**	**0701270**	90-264VAC	1A	1	-
	Elmdene	**G2402N-C**	**0696800**	90-264VAC	2A	1	-
	Elmdene	**G2403BM-C**	**0701450**	90-264VAC	3A	1	-
	Elmdene	**G2403N-C**	**0606920**	90-264VAC	3A	1	-
	Elmdene	**G2405BM-C**	**0693480**	90-264VAC	5A	1	-
	Elmdene	**G2405N-C**	**0616260**	90-264VAC	5A	1	-
	Elmdene	**G2410BM-E**	**0811660**	90-264VAC	10A	1	-
24VDC BOXED PSUS WITH NO BATTERY BACK UP FACILITY							
	Elmdene	**TR2**	**0432670**	230VAC	2A	1	-
	Elmdene	**TR4**	**0697690**	230VAC	4A	1	-

vista

VPSU24VAC-750e

Internal:

- 24VAC output
- Internal encapsulated

External:

- 24VAC x 8, 4 or 1 outputs
- IP68 external enclosure
- Compression glands and mounting fixings
- Supplied with additional fuses

Vista 24VAC PSUs are available as either internal encapsulated, with flying lead for quick and efficient installation, or as externally rated IP68 8, 4 and single output units. All external PSUs include individually fused output with LED indicators for quick fault finding. Suitable for integration into any CCTV system, the external PSU options are lightweight and easy to handle, come with 22mm cable glands and, for convenience, are supplied with spare fuses. Tested to EN50130-4: (Alarm systems, electromagnetic compatibility, product family standard: Immunity requirements for components of fire, intruder and social alarm systems).

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
POE POWER SUPPLIES				
	AMG Systems	**AMGPSU-I48-P60**	**0868040**	48VDC 60W PSU DIN-Rail mount -40°C to 70°C fault relay output (47-53VDC)
	AMG Systems	**AMGPSU-I48-P120**	**0875780**	48VDC 120W PSU DIN-Rail mount -40°C to 70°C fault relay output (47-53VDC)
	AMG Systems	**AMGPSU-I48-P240**	**0868180**	48VDC 240W PSU DIN-Rail mount -40°C to 70°C fault relay output (47-53VDC)
	AMG Systems	**AMGPSU-I48-P480**	**0875520**	48VDC 480W PSU DIN-Rail mount -40°C to 70°C fault relay output (47-53VDC)
	AMG Systems	**AMG160C-BR**	**0896360**	Industrial rack bracket for AMG160-1F units, 12 positions, 1U 19" rack mount, -40 to 75°C, 12x140mm daisy chain power cables included, PSU not included
	AMG Systems	**AMG160C-RP-DD**	**0899620**	Industrial rack chassis for AMG160-1F units, 12 positions, 1U 19" rack mount, -40 to 75°C, integrated cable management, dual 48VDC external redundant DC power inputs, 12 x unit power cables included
	AMG Systems	**AMG160C-BP**	**0894090**	Blank panel kit for AMG160C bracket/tray/chassis, blanks 1 position (max. 12 required), includes 2 x fixing screws
B	Elmdene	**POE-ULTRAPOD-MOD**	**0334610**	PoE powered (PoE+ 30W or PoE++ 60W) PSU, providing up to 12VDC @ 3A, data connection and battery charge for a 12V 17Ah battery over a single CAT5 cable. DIN rail mountable module with screw lugs
	Veracity	**VPSU-57V-800**	**0595740**	57VDC power supply, 800mA, 40W output for LONGSPAN, HIGHWIRE Powerstar, HIGHWIRE Longstar
	Veracity	**VPSU-57V-1U-UK**	**0817240**	57VDC power supply, 8.8A, multi-channel 1U rackmount PSU
	Veracity	**VPSU-POE-100-UK**	**0647630**	57VDC PoE power supply, 1.75A, 100W output for PoE applications
	Veracity	**VPSU-POE-240-UK**	**0647640**	56VDC PoE power supply, 4.48A, 240W output for PoE applications
	Veracity	**VPSU-POE-500-UK**	**0894610**	High-power PoE 500W power supply, 8.8A, multi-channel 1U rackmount PSU
	Veracity	**VPSU-POE-1000-UK**	**0894620**	High-power PoE 1kW power supply, 17.54A, multi-channel 1U rackmount PSU
	Veracity	**VOR-OS-30-UK**	**0644470**	OUTSOURCE 30. Midspan 30W PoE Plus 802.3at injector, 1 port. Gigabit compatible
	Veracity	**VOR-OS-90-UK**	**0647620**	OUTSOURCE 90. Midspan 90W Hi-PoE 802.3bt injector, 1 port. Gigabit compatible
PSU ACCESSORIES				
	Elmdene	**FOM-4**	**0626630**	4 way fused output module - provided with 4x1A fuses
	Elmdene	**FOM-8**	**0356360**	8 way fused output module - provided with 8x500mA fuses
	Elmdene	**FOM8-DIN**	**0619750**	8 way fused output module with health LEDs - DIN rail mountable - provided with 8x1A fuses
	Elmdene	**FIREFOM-12-8**	**0481400**	12V Fire Interface relay with 8 way independently controlled outputs, ideal for Access Control applications

ELMDENE Protecting People & Property

B POE-ULTRAPOD-MOD

- Provides back-up power for critical IP systems, over a single Ethernet cable
- 12VDC, up to 3A to the device
- An additional 0.5A for battery charging
- Available as DIN mountable module or boxed

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
6 VOLT YUASA NP RANGE			
Yuasa	**NP1.2-6**	**0347250**	6V 1.2Ah rechargeable battery
Yuasa	**NP7-6**	**0238210**	6V 7Ah rechargeable battery
Yuasa	**NP10-6**	**0108610**	6V 10Ah rechargeable battery
Yuasa	**NP12-6**	**0109320**	6V 12Ah rechargeable battery
6 VOLT YUCEL RANGE			
Yuasa	**Y4-6**	**0705120**	6V 4Ah rechargeable battery
Yuasa	**Y10-6**	**0581180**	6V 10Ah rechargeable battery
12 VOLT YUASA NP RANGE			
Yuasa	**NP1.2-12**	**0196300**	12V 1.2Ah rechargeable battery
Yuasa	**NP2.1-12**	**0055870**	12V 2.1Ah rechargeable battery
Yuasa	**NP2.3-12**	**0432880**	12V 2.3Ah rechargeable battery
Yuasa	**NP2.8-12**	**0055810**	12V 2.8Ah rechargeable battery
Yuasa	**NP3.2-12**	**0055990**	12V 3.2Ah rechargeable battery
Yuasa	**NP4-12**	**0251870**	12V 4Ah rechargeable battery
Yuasa	**NP7-12**	**0055800**	12V 7Ah rechargeable battery
Yuasa	**NP12-12**	**0055910**	12V 12Ah rechargeable battery
Yuasa	**NP17-12i**	**0069510**	12V 17Ah rechargeable battery
Yuasa	**NP24-12i**	**0196360**	12V 24Ah rechargeable battery
Yuasa	**NP38-12i**	**0196370**	12V 38Ah rechargeable battery
Yuasa	**NP65-12i**	**0196380**	12V 65Ah rechargeable battery
12 VOLT YUCEL RANGE			
Yuasa	**Y0.8-12**	**0413790**	12V 0.8Ah rechargeable battery
Yuasa	**Y1.2-12**	**0221390**	12V 1.2Ah rechargeable battery
Yuasa	**Y2.1-12**	**0221400**	12V 2.1Ah rechargeable battery
Yuasa	**Y2.8-12**	**0221410**	12V 2.8Ah rechargeable battery
Yuasa	**Y3.2-12**	**0298080**	12V 3.2Ah rechargeable battery
Yuasa	**Y7-12**	**0221420**	12V 7Ah rechargeable battery
Yuasa	**Y9-12**	**0554500**	12V 9Ah rechargeable battery
Yuasa	**Y12-12-12V**	**0332410**	12V 12Ah rechargeable battery
Yuasa	**Y17-12**	**0287810**	12V 17Ah rechargeable battery
Yuasa	**Y24-12**	**0332420**	12V 24Ah rechargeable battery
Yuasa	**Y38-12**	**0332430**	12V 38Ah rechargeable battery
REC RANGE (STANDBY AND CYCLIC APPLICATIONS)			
Yuasa	**REC10-12**	**0432980**	12V 10Ah rechargeable/cyclic battery
Yuasa	**REC22-12I**	**0721030**	12V 22Ah rechargeable/cyclic battery
Yuasa	**REC26-12**	**0756160**	12V 26Ah rechargeable/cyclic battery
LITHIUM CELLS			
Yuasa	**1CR123A**	**0798940**	CR123A Lithium cylindrical cell 3.0V
Yuasa	**1CR2**	**0798950**	Lithium cyclindrical cell 3.0V
Yuasa	**1AA3-6**	**0776930**	AA Lithium cell 3.6V
Yuasa	**405050-P2/PYR**	**0894030**	3V 4700(mAh) single lithium cell. Dimensionss L48xW50xH9mm
Yuasa	**405050-P2/PYR/X2**	**0894040**	3V 4700(mAh) 2 cell lithium pack. Dimensions L48xW50xH9mm
Yuasa	**8AAM2-2LJ3/PYR**	**0894050**	9.6V 2200(mAh) 9 cell NiMH pack. Dimensions L115xW50 H14mm
Yuasa	**CR-1/3N/KF1/PYR**	**0894060**	3V 170(mAh) single button lithium cell. Dimensions L12xW10xH10mm
Yuasa	**CR-1/3N/PYR**	**0894070**	3V 170(mAh) single button lithium cell. Dimensions L12xW10xH10mm
Yuasa	**CR34615D/PYR**	**0894080**	3V 1200(mAh) single lithium cell. Dimensions L51xW29xH29mm

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Manufacturer	Part No.	Quick Ref.	Product Description
VISTA ESSENTIAL RANGE - CAT5e PVC			
Vista	**VC5PVC0.5M-Green**	**0855940**	50cm RJ45 patch lead green PVC casing
Vista	**VC5PVC0.5M-Blue**	**0855950**	50cm RJ45 patch lead blue PVC casing
Vista	**VC5PVC0.5M-Yellow**	**0855960**	50cm RJ45 patch lead yellow PVC casing
Vista	**VC5PVC0.5M-White**	**0855970**	50cm RJ45 patch lead white PVC casing
Vista	**VC5PVC0.5M-Red**	**0855980**	50cm RJ45 patch lead red PVC casing
Vista	**VC5PVC1M-Green**	**0855990**	1m RJ45 patch lead green PVC casing
Vista	**VC5PVC1M-Blue**	**0856000**	1m RJ45 patch lead blue PVC casing
Vista	**VC5PVC1M-Yellow**	**0856010**	1m RJ45 patch lead yellow PVC casing
Vista	**VC5PVC1M-White**	**0856020**	1m RJ45 patch lead white PVC casing
Vista	**VC5PVC1M-Red**	**0856030**	1m RJ45 patch lead red PVC casing
Vista	**VC5PVC2M-Green**	**0856040**	2m RJ45 patch lead green PVC casing
Vista	**VC5PVC2M-Blue**	**0856050**	2m RJ45 patch lead blue PVC casing
Vista	**VC5PVC2M-Yellow**	**0856060**	2m RJ45 patch lead yellow PVC casing
Vista	**VC5PVC2M-White**	**0856070**	2m RJ45 patch lead white PVC casing
Vista	**VC5PVC2M-Red**	**0856080**	2m RJ45 patch lead red PVC casing
Vista	**VC5PVC3M-Green**	**0856090**	3m RJ45 patch lead green PVC casing
Vista	**VC5PVC3M-Blue**	**0856100**	3m RJ45 patch lead blue PVC casing
Vista	**VC5PVC3M-Yellow**	**0856110**	3m RJ45 patch lead yellow PVC casing
Vista	**VC5PVC3M-White**	**0856120**	3m RJ45 patch lead white PVC casing
Vista	**VC5PVC3M-Red**	**0856130**	3m RJ45 patch lead red PVC casing
VISTA ESSENTIAL RANGE - CAT6 LOW SMOKE ZERO HALOGEN (LSZH)			
Vista	**VC6LSZH0.5M-Green**	**0856140**	50cm RJ45 patch lead green LSZH casing
Vista	**VC6LSZH0.5M-Blue**	**0856150**	50cm RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH0.5M-Yellow**	**0856160**	50cm RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH0.5M-White**	**0856170**	50cm RJ45 patch lead white LSZH casing
Vista	**VC6LSZH0.5M-red**	**0856180**	50cm RJ45 patch lead red LSZH casing
Vista	**VC6LSZH1M-Green**	**0856190**	1m RJ45 patch lead green LSZH casing
Vista	**VC6LSZH1M-Blue**	**0856200**	1m RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH1M-Yellow**	**0856210**	1m RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH1M-White**	**0856220**	1m RJ45 patch lead white LSZH casing
Vista	**VC6LSZH1M-Red**	**0856230**	1m RJ45 patch lead red LSZH casing
Vista	**VC6LSZH2M-Green**	**0856240**	2m RJ45 patch lead green LSZH casing
Vista	**VC6LSZH2M-Blue**	**0856250**	2m RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH2M-Yellow**	**0856260**	2m RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH2M-White**	**0856270**	2m RJ45 patch lead white LSZH casing
Vista	**VC6LSZH2M-Red**	**0856280**	2m RJ45 patch lead red LSZH casing
Vista	**VC6LSZH3M-Green**	**0856290**	3m RJ45 patch lead green LSZH casing
Vista	**VC6LSZH3M-Blue**	**0856300**	3m RJ45 patch lead blue LSZH casing
Vista	**VC6LSZH3M-Yellow**	**0856310**	3m RJ45 patch lead yellow LSZH casing
Vista	**VC6LSZH3M-White**	**0856320**	3m RJ45 patch lead white LSZH casing
Vista	**VC6LSZH3M-Red**	**0856330**	3m RJ45 patch lead red LSZH casing

vista

VISTA ESSENTIAL CAT5e PATCH LEADS

- 5 different colours - green, blue, yellow, white & red
- 4 different lengths from 50cm to 3m
- Integrated strain relief
- PVC outer casing
- Solid copper core

vista

VISTA ESSENTIAL CAT6 PATCH LEADS

- 5 different colours - green, blue, yellow, white & red
- 4 different lengths from 50cm to 3m
- Integrated strain relief
- LSZH outer casing
- Solid copper core

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

VISTA ESSENTIAL RANGE CONTINUED

	Manufacturer	Part No.	Quick Ref.	Product Description
	Vista	**VSCT-RJ45**	**0853320**	Standard crimp tool from RJ45, RJ11 and RJ12 plugs
	Vista	**VCP-RJ45-Cat5-10**	**0853330**	10 x Standard crimp CAT5E
	Vista	**VCP-RJ45-Cat5-50**	**0853340**	50 x Standard crimp CAT5E
	Vista	**VCP-RJ45-Cat6-10**	**0853350**	10 x Standard crimp CAT6
	Vista	**VCP-RJ45-Cat6-50**	**0853360**	50 x Standard crimp CAT6
A	Vista	**VFCT-RJ45**	**0853370**	FAST crimp and cut tool for RJ45 plugs, for use with VFCP plug sockets
	Vista	**VFCP-RJ45-Cat5-10**	**0853380**	10 x FAST crimp plug CAT5E, for use with VFCT-RJ45 crimp tool
	Vista	**VFCP-RJ45-Cat5-50**	**0853390**	50 x FAST crimp plug CAT5E, for use with VFCT-RJ45 crimp tool
	Vista	**VFCP-RJ45-Cat6-10**	**0853400**	10 x FAST crimp plug CAT6, for use with VFCT-RJ45 crimp tool
	Vista	**VFCP-RJ45-Cat6-50**	**0853410**	50 x FAST crimp plug CAT6, for use with VFCT-RJ45 crimp tool
	Vista	**VIBC5-10**	**0853420**	10 x Integral strain relief boot for CAT5E, clear plastic
	Vista	**VIBC5-50**	**0853430**	50 x Integral strain relief boot for CAT5E, clear plastic
	Vista	**VIBC6-10**	**0853440**	10 x Integral strain relief boot for CAT6, clear plastic
	Vista	**VIBC6-50**	**0853450**	50 x Integral strain relief boot for CAT6, clear plastic
B	Vista	**VBTC5-Yellow-10**	**0853460**	10 x CAT5 strain relief boot yellow
	Vista	**VBTC5-Yellow-50**	**0853470**	50 x CAT5 strain relief boot yellow
	Vista	**VBTC5-Green-10**	**0853480**	10 x CAT5 strain relief boot green
	Vista	**VBTC5-Green-50**	**0853490**	50 x CAT5 strain relief boot green
	Vista	**VBTC5-Blue-10**	**0853500**	10 x CAT5 strain relief boot blue
	Vista	**VBTC5-Blue-50**	**0853510**	50 x CAT5 strain relief boot blue
	Vista	**VBTC5-Red-10**	**0853520**	10 x CAT5 strain relief boot red
	Vista	**VBTC5-Red-50**	**0853530**	50 x CAT5 strain relief boot red
	Vista	**VBTC5-Black-10**	**0853540**	10 x CAT5 strain relief boot black
	Vista	**VBTC5-Black-50**	**0853550**	50 x CAT5 strain relief boot black
	Vista	**VBTC6-Yellow-10**	**0853560**	10 x CAT6 strain relief boot yellow
	Vista	**VBTC6-Yellow-50**	**0853570**	50 x CAT6 strain relief boot yellow
	Vista	**VBTC6-Green-10**	**0853580**	10 x CAT6 strain relief boot green
	Vista	**VBTC6-Green-50**	**0853590**	50 x CAT6 strain relief boot green
	Vista	**VBTC6-Blue-10**	**0853600**	10 x CAT6 strain relief boot blue
	Vista	**VBTC6-Blue-50**	**0853610**	50 x CAT6 strain relief boot blue
	Vista	**VBTC6-Red-10**	**0853620**	10 x CAT6 strain relief boot red
	Vista	**VBTC6-Red-50**	**0853630**	50 x CAT6 strain relief boot red
	Vista	**VBTC6-Black-10**	**0853640**	10 x CAT6 strain relief boot black
	Vista	**VBTC6-Black-50**	**0853650**	50 x CAT6 strain relief boot black
C	Vista	**V24PC6PP**	**0853660**	24 Port punch down patch panel for CAT5E and CAT6 cable with cable management
	Vista	**VPDT**	**0853670**	Punch down tool

A VFCT-RJ45

- Unique design allowing faster more accurate crimping
- Compatible with VFCP (fast crimp plugs)
- Crimps and cuts in one action
- Reduces errors, saves time and money
- Robust carbon steel body

B CAT5/CAT6 STRAIN RELIEF BOOT

- Available in packs of 10 or 50 pieces standard pushover strain relief boots, for use with FAST or standard Vista RJ45 crimps for CAT5e/CAT6 cables, available in yellow, green, blue, red & black

C V24PC6PP

- 24 Port punch down patch panel for CAT6 cabling fits into a 1U rack mount

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	COAXIAL CABLE			
	Dunasfern	**000156/100**	**0614630**	CT125 100m, duct grade solid copper coax cable, black
	Dunasfern	**000156/500**	**0624950**	CT125 500m, duct grade solid copper coax cable, black
	Dunasfern	**000159**	**0693760**	RG59 100m, duct grade solid copper coax cable, black
	Dunasfern	**001059/250**	**0584760**	Shotgun, 250m, RG59 solid copper + 2 core 0.5mm, black
A	Vista	**RG59/CCS/100**	**0480010**	100m RG59 copper coated steel
	Vista	**RG59/CCS/200**	**0480020**	200m RG59 copper coated steel
	Vista	**RG59/CCS/500**	**0480030**	500m RG59 copper coated steel
B	Vista	**RG59/SCC/100**	**0480060**	100m RG59 solid copper core
	Vista	**RG59/SCC/200**	**0480070**	200m RG59 solid copper core
	Vista	**RG59/SCC/500**	**0480080**	500m RG59 solid copper core
C	Vista	**RG59/SG5/100**	**0480090**	100m RG59 shotgun 2x0.5mm
	Vista	**RG59/SG5/200**	**0480100**	200m RG59 shotgun 2x0.5mm
	Vista	**RG59/SG75/100**	**0480110**	100m RG59 shotgun 2x0.75mm
	Vista	**RG59/SG75/200**	**0480120**	200m RG59 shotgun 2x0.75mm
	COAX HUM REJECTION			
	Vista	**HUMV**	**0472580**	Coax hum rejection amplifier
	COAX PATCH CABLES			
	Dunasfern	**RG179/2M**	**0681100**	RG179 2m patch lead, comes with 2 male BNC connectors
	Dunasfern	**RG179/3M**	**0699460**	RG179 3m patch lead, comes with 2 male BNC connectors
	Dunasfern	**RG179/5M**	**0680970**	RG179 5m patch lead, comes with 2 male BNC connectors
	DATA CABLE			
	CQR	**CABTP2X2/GY/100**	**0655970**	2x2C 8723 Twisted pair Belden style, grey,100m
	Dunasfern	**000857/100**	**0347910**	Belden 8723 equivalent, 100m, 4 core twisted pairs, LSF, white
	Dunasfern	**000857/200**	**0680950**	Belden 8723 equivalent, 200m, 2 pair, low smoke and fume, grey
	Dunasfern	**000126/100**	**0322920**	Belden 8723 equivalent, 100m, 2 pair, polyethylene, low smoke and fume, grey
	Dunasfern	**000126/250**	**0624310**	Belden 8723 equivalent, 250m, 2 pair, polyethylene, low smoke and fume, grey
	Dunasfern	**000126/500**	**0012640**	Belden 8723 equivalent, 500m, 2 pair, polyethylene, low smoke and fume, grey
	Dunasfern	**000095/100**	**0540620**	Belden 8723 equivalent, 100m, 2 pair, duct grade, black
	Dunasfern	**000463/500**	**0625610**	Belden 8723 equivalent, 500m, 2 pair, duct grade, black
	Dunasfern	**000128/100**	**0569980**	Belden 8760 equivalent, 100m, 2 pair, polyethylene, low smoke and fume, grey
	Dunasfern	**0001288760/250**	**0621140**	Belden 8760 equivalent, 250m, 2 pair, polyethylene, low smoke and fume, grey
	Dunasfern	**DUN002435**	**0820790**	Belden 9502 equivalent, 200m 2 pair low smoke and fume grey
	Dunasfern	**9502/500**	**0626340**	Belden 9502 equivalent, 500m, 2 pair, low smoke and fume, grey
	Dunasfern	**000139/100**	**0570150**	Belden 9503 equivalent, 100m, 3 pair, polyethylene, low smoke and fume, grey
	Dunasfern	**000140/100**	**0592870**	Belden 9504 equivalent, 100m, 4 pair, polyethylene low smoke and fume, grey
	Dunasfern	**000858/100**	**0570590**	Belden 9536 equivalent, 100m, 6 core, low smoke and fume, white
	Dunasfern	**000145/100**	**0617910**	Belden 9538 equivalent, 100m, 8 core, polyethylene, low smoke and fume, grey
	Dunasfern	**000145**	**0626380**	Belden 9538 equivalent, 250m, 8 core, polyethylene, low smoke and fume, grey
	Dunasfern	**000921/100**	**0570790**	Belden 9540 equivalent, 100m, 10 core, low smoke and fume, grey

vista

A RG59/CCS/100

- Copper coated steel core for 150m images and telemetry on CVBS signals
- ≥83% screen coverage
- Low smoke fume sheath
- UV resistant
- Consistency of specification

vista

B RG59/SCC/100

- Solid copper core for 250m images and telemetry on CVBS signals
- ≥83% screen coverage
- Low smoke fume sheath
- UV resistant
- Consistency of specification
- CPR Grade: Eca

vista

C RG59/SG5/100

- Shotgun: Dual CCS and power pair
- Copper coated steel core for 150m images and telemetry on CVBS signals
- 0.5mm² or 0.75mm² power cores
- ≥83% screen coverage
- Low smoke fume sheath
- UV resistant

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
	INTRUDER CABLE - 8 CORE			
	CQR	**CABCCA8/WH/100M**	**0622420**	8 core 100m white CCA BS 4737 - type 3 alarm cable
	CQR	**CABCCAS8/WH/100M**	**0665920**	8 core 100m white CCA BS 4737 - type 3 screened alarm cable
	CAT5E INTERNAL CABLE			
	Dunasfern	**000160Y/305**	**0570390**	CAT5e, 305m, LSZH, yellow
	Dunasfern	**DUN000783**	**0778350**	CAT5e, 305m, LSZH, blue
	Dunasfern	**DUN000183**	**0820690**	CAT5e, 305m, LSZH, red
	Dunasfern	**DUN000319**	**0771210**	CAT5e, 305m, LSZH, green
	Dunasfern	**000605/305**	**0499520**	CAT5e, 305m, LSZH, white
	Dunasfern	**DUN000204**	**0820720**	CAT5e, 305m, LSZH, orange
	Vista	**CAT5E/UTP/305/PVC/GREY**	**0480540**	CAT5e, 305m, 4 pair UTP grey PVC sheath
	Vista	**CAT5E/UTP/305/PVC/YELLOW**	**0480550**	CAT5e, 305m, 4 pair UTP yellow PVC sheath
	Vista	**CAT5E/UTP/305/LSZH/VIOLET**	**0480560**	CAT5e, 305m, 4 pair UTP violet LSZH sheath
D	Vista	**CAT5E/UTP/305/LSZH/WHITE**	**0480570**	CAT5e, 305m, 4 pair UTP white LSZH sheath
	CAT5E EXTERNAL CABLE			
	Dunasfern	**000729/305**	**0618190**	CAT5e, 305m, duct grade cable, black
	Vista	**CAT5E/UTP/305/DUCT/BLACK**	**0480580**	CAT5e, 305m, 4 pair UTP black duct (PE) sheath
E	Vista	**CAT5E/UTP/500/DUCT/BLACK**	**0480590**	CAT5e, 500m, 4 pair UTP black duct (PE) sheath

vista

D CAT5E/UTP/305/LSZH/WHITE

- CAT5e & CAT6 options
- Reduced cross talk
- Low smoke, zero halogen
- Consistency of specification
- CPR Grade: PVC - Eca LSZH - Eca DUCT (PE) - Fca

vista

E CAT5E/UTP/500/DUCT/BLACK

- CAT5e & CAT6 options
- Reduced cross talk
- UV resistant
- Low smoke, zero halogen

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

	Manufacturer	Part No.	Quick Ref.	Product Description
CAT6 CABLE				
	Dunasfern	**DUN000840**	**0820760**	CAT6, 305m, LSZH, blue
	Dunasfern	**DUN000198**	**0820700**	CAT6, 305m, LSZH, red
	Dunasfern	**DUN000209**	**0820730**	CAT6, 305m, LSZH, green
	Dunasfern	**DUN000202**	**0820710**	CAT6, 305m, LSZH, white
	Dunasfern	**DUN000821**	**0820750**	CAT6, 305m, LSZH, orange
	Dunasfern	**DUN000179**	**0784050**	CAT6, 305m, LSZH, yellow
A	Vista	**CAT6/UTP/305/LSZH/VIOLET**	**0480620**	CAT6, 305m, 4 pair UTP violet LSZH sheath
	Vista	**CAT6/UTP/305/DUCT/BLACK**	**0480630**	CAT6, 305m, 4 pair UTP black duct sheath
	Vista	**CAT6/UTP/305/PVC/GREY**	**0480610**	CAT6, 305m, 4 pair UTP grey PVC sheath
UTP PATCH CABLES				
	Dunasfern	**000619**	**0681030**	CAT5e, 0.5m, RJ45 patch lead, grey
	Dunasfern	**000620GY/1**	**0570500**	CAT5e, 1m, RJ45 patch lead, grey
	Dunasfern	**000621GY/2**	**0570480**	CAT5e, 2m, RJ45 patch lead, grey
	Dunasfern	**000621BU/2**	**0571200**	CAT5e, 2m, RJ45 patch lead, blue
	Dunasfern	**000622GY/3**	**0570490**	CAT5e, 3m, RJ45 patch lead, grey
	Dunasfern	**000622BU/3**	**0571220**	CAT5e, 3m, RJ45 patch lead, blue
	Dunasfern	**000622GN/3**	**0571230**	CAT5e, 3m, RJ45 patch lead, green
	Dunasfern	**000743/5**	**0571240**	CAT5e, 5m, RJ45 patch lead, grey
	Dunasfern	**000623BU/5**	**0571250**	CAT5e, 5m, RJ45 patch lead, blue
	Dunasfern	**000623GN/5**	**0571260**	CAT5e, 5m, RJ45 patch lead, green
	Dunasfern	**000750**	**0733000**	CAT6e, 1m, RJ45 patch lead, grey
	Dunasfern	**000764**	**0733010**	CAT6e, 2m, RJ45 patch lead, grey
	Dunasfern	**000618R/5**	**0656370**	CAT6e, 5m, RJ45 patch lead, grey
	Dunasfern	**DUN000624**	**0846610**	CAT5e 10m, patch lead, grey
FLEX & OTHER CABLES				
	Dunasfern	**000044/100**	**0629680**	2 core flex, 0.5mm, 100m black, oval, 2182Y
	Dunasfern	**001442/100**	**0570570**	2 core flex, 0.5mm, 100m black, round, 2182Y
	Dunasfern	**000115/100**	**0593020**	2 core flex, 0.75mm, 100m black, round, 2182Y
	Dunasfern	**000141/100**	**0127080**	2 core flex, 0.75mm, 100m black, round, 3182Y
	Dunasfern	**000077/100**	**0570550**	2 core flex, 0.75mm, 100m black, flat, 2192Y
	Dunasfern	**001440/100**	**0570540**	2 core flex, 0.75mm, 100m white, flat, 2192Y
	Dunasfern	**9000249/100**	**0625260**	2 core flex, 0.75mm, 100m, low smoke fume LSF, black round, 3182B
	Dunasfern	**3183Y/1.5mm**	**0697720**	3 core flex, 1.5mm, 100m white, round, 3183Y
	Dunasfern	**3183Y 0.75-BLACK**	**0592880**	3 core flex, 0.75mm, 100m, black, round, 3183Y
	Dunasfern	**3183Y 0.75 WHITE**	**0460670**	3 core flex, 0.75mm, 100m, white, round, 3183Y
	Dunasfern	**3183B**	**0569170**	3 core flex, 0.75mm, 100m, white, LSZH, round, 3182W
	Dunasfern	**001294/100**	**0693050**	CW1308 100m, 6 pair, low smoke fume LSF, white
	Dunasfern	**001295/200m**	**0623820**	CW1308 200m, 6 pair, low smoke fume LSF, white
	Dunasfern	**000081**	**0658650**	8 core alarm PE black 100m reel
HDMI CABLE				
	Vista	**HDMI LEAD 1.75M**	**0473430**	HDMi lead 1.75m

A CAT6/UTP/305/LSZH/VIOLET

- CAT5e & CAT6 options
- Reduced cross talk
- UV resistant
- Low smoke, zero halogen
- Consistency of specification

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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	Manufacturer	Part No.	Quick Ref.	Product Description
CONNECTORS AND ADAPTORS				
	Dunasfern	**000723**	**0298320**	RJ45 crimp connector
	Dunasfern	**000570**	**0571780**	RJ45 crimp connector pack, includes 100 per pack
	Dunasfern	**DUN001811**	**0820770**	RJ45 crimp tool
	Dunasfern	**DUN000441**	**0820740**	RG179 1m BNC leads
	Dunasfern	**RG179/10m**	**0680980**	RG179 10m BNC leads
	Dunasfern	**DUN000979**	**0846630**	HDMi 2m lead
	Dunasfern	**222171**	**0207450**	HDMi 5m lead
	Dunasfern	**DUN220217**	**0207460**	HDMi 10m lead
	Vista	**VBNC**	**0442930**	BNC connector for RG59 & URM70
A	Vista	**VBNC100**	**0442940**	Pack of 100 BNC connectors
	Vista	**2.1 Jack to screw term adaptor**	**0498900**	2.1mm DC jack adaptor with screw terminals

A VBNC100

- Crimps to RG59 and URM70 coax
- High quality components for optimum signal transmission
- 10% extra centre pins in VBNC100 pack

All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

Manufacturer	Part No.	Quick Ref.	Product Description
NETWORK SOCKETS			
Dunasfern	**102125**	**0628630**	CAT5e 50x25 Euro module
Dunasfern	**000711**	**0733050**	CAT6 50x25 Euro module
Dunasfern	**000716**	**0733060**	Single gang 2 module faceplate
Dunasfern	**000717**	**0733070**	Double gang 4 module faceplate
Dunasfern	**000722**	**0733100**	Full module blank plate 50x25mm
CABINETS			
Dunasfern	**000101**	**0619250**	Data cabinet 12U 600Wx600Dmm - glass door
Dunasfern	**000102**	**0619270**	Data cabinet 18U 600Wx600Dmm - glass door
Dunasfern	**000103**	**0619290**	Data cabinet 27U 600Wx600Dmm - glass door
Dunasfern	**000108**	**0619330**	Data cabinet 47U 600Wx600Dmm - glass door
Dunasfern	**000811**	**0619420**	Wall mounted cabinet 12U 600Wx600Dmm
Dunasfern	**000058**	**0652210**	Wall mounted cabinet 9U 600Wx600Dmm
Dunasfern	**000830**	**0722850**	Wall mounted cabinet 9U 600Wx450Dmm
Dunasfern	**DUN000116**	**0619390**	Wall mounted cabinet 12U 600Wx450Dmm
Dunasfern	**TRI-000057**	**0673440**	Trident wall mounted cabinet 6U 600Wx600Dmm
Dunasfern	**DR4768**	**0619340**	Data cabinet 47U 600Wx800Dmm - glass door
STI	**ET-181408-C**	**0875810**	EnviroArmour Polycarbonate cabinet - Clear front 465mmHx350mmWx200mmD
STI	**ET-181408-O**	**0875820**	EnviroArmour Polycarbonate cabinet - Opaque front 465mmHx350mmWx200mmD
CABINET ACCESSORIES			
Dunasfern	**ACKIT1**	**0619350**	Accessory kit 1 (600mm depth), 1x set of heavy duty castors, 1x4 way roof mount fan tray, 1x8 way vertical power distribution unit
Dunasfern	**ACKIT2**	**0619360**	Accessory kit 2 (800mm depth), 1x set of heavy duty castors, 1x4 way roof mount fan tray, 1x8 way vertical power distribution unit, 2x570mm deep fixed vented 30kg rated shelf, 1x length of 150mm wide cable tray, 2x1U 4 ring cable managed bar
Dunasfern	**000511**	**0619440**	M6 cage nuts bolts and washers for rack mount equipment - bag of 50
Dunasfern	**000514**	**0692820**	Heavy duty castors
Dunasfern	**000526**	**0681080**	10 way 13Amp switched power distributed unit (vertical mount)
Dunasfern	**000536**	**0681090**	12 way 13Amp switched power distributed unit (vertical mount)
Dunasfern	**000557**	**0623010**	6 way 13Amp switched power distributed unit (horizontal mount)
Dunasfern	**000697**	**0733130**	CAT6 patch panel, 24 port, rear punch down PCB
Dunasfern	**001060**	**0571190**	CAT5e patch panel, 24 port, black
Dunasfern	**000703**	**0733120**	CAT5e patch panel, 48 port, rear punch down PCB
Dunasfern	**000698**	**0733140**	CAT6 patch panel, 48 port, rear punch down PCB
Dunasfern	**000244**	**0798790**	1U 190mm cantilever shelf
Dunasfern	**001417**	**0270470**	1U 300mm cantilever shelf
Dunasfern	**000245**	**0749450**	400mm rack mount shelf

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As a security solutions installer, do you ever want to take a step back and understand "The need for security"?

Buzz walks us through why we need security and what level might be appropriate for different scenarios.

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USEFUL INFORMATION

SETTING UP AN ACCOUNT

If you are an approved installer, you can set up an account with Norbain by following these simple steps:

1. Visit **www.norbain.com** and request an account.
2. A Norbain sales person will contact you to request further details.
3. Full Terms and Conditions can be found on **www.norbain.com**.

If you are a distributor or electrical wholesaler please email us at **distribution@norbain.com** for details on how we can support you.

We aim to set your account up within 24 hours with cash terms and within 3 working days of receipt a credit limit will be applied to the account if approved. We accept payments by cheque, bank transfer or debit card. We only accept credit card payments on cash transactions. Invoices can be issued in Sterling, Euros or US Dollars.

DELIVERY CHARGES

Delivery costs are dependent on weight. We offer standard next day, pre-noon, pre 10.30am, pre 9.00am and Saturday deliveries.

REPAIRS

Norbain's Technical Support Group help customers resolve product issues and ascertain the cause of any problems. Their extensive product knowledge helps them to quickly find the source of any faults and advise on the solution.

If the product is in warranty, the issue will be transferred to the Customer Service team to open a return and liaise with the manufacturer to ensure your repair is quickly and efficiently dealt with.

For those products out of warranty, the Customer Service team will arrange for an assessment of the repair, along with pricing, and organise for the work to be carried out.

Please contact us to discuss your repair requirements.

RETURNS

Norbain returns

Simply telephone the Customer Service team to ask for a returns number. It is most helpful if you can provide the invoice number on which the goods were originally despatched and the product serial number.

All returns are subject to manufacturers warranty and can be subject to change at any time.

Units being requested for credit are subject to our 30 Day No Quibble Guarantee. Items for repair are subject to the specific manufacturer's warranty. Chargeable repairs are subject to an inspection fee if they are not included on our extensive Fixed Price Repair List.

We will then arrange for the product to be collected and sent to our Service Centre for processing.

To monitor the progress of your return, please telephone the Customer Services team quoting the returns number.

Customer Services
Tel No: **01253 888 012**
Email: **customerservices@norbain.com**

Vista returns

If you wish to return any Vista PTZ dome or DVR, you will now need to call the dedicated Vista Technical Support hotline to qualify any problems prior to an RMA being issued.

The following process should be followed:

- Call the Vista Technical Support hotline on **0118 912 5125** to confirm details of the query. This is a standard rate call.
- Once they have confirmed there is an issue they will provide you with a reference number and transfer you to Customer Services.
- You will then need to quote the reference number to Customer Services to receive an RMA for a return and service replacement unit as per our normal service.

TERMS AND CONDITIONS OF SALES

Norbain SD Standard Terms and Conditions can be found at **www.norbain.com**

PRICING

All prices are in pounds sterling, exclude VAT and carriage and are applicable for countries within the European Economic area.

All prices shown are correct at time of printing but are subject to change without notice.

ERRORS AND OMISSIONS

The information in this catalogue has been checked for accuracy. No liability will be accepted by Norbain SD for any errors or omissions in this information.

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NATIONAL ACCOUNTS:	**01253 887 824**
DISTRIBUTION:	**01253 887 996**
FREE TECH SUPPORT:	**0118 912 5314**
VISTA TECH SUPPORT:	**0118 912 5125**
EMAIL:	**info@norbain.com**
WEB:	**www.norbain.com**

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All product specifications are supplied by the manufacturer. All manufacturers reserve the right to change specification without notification.

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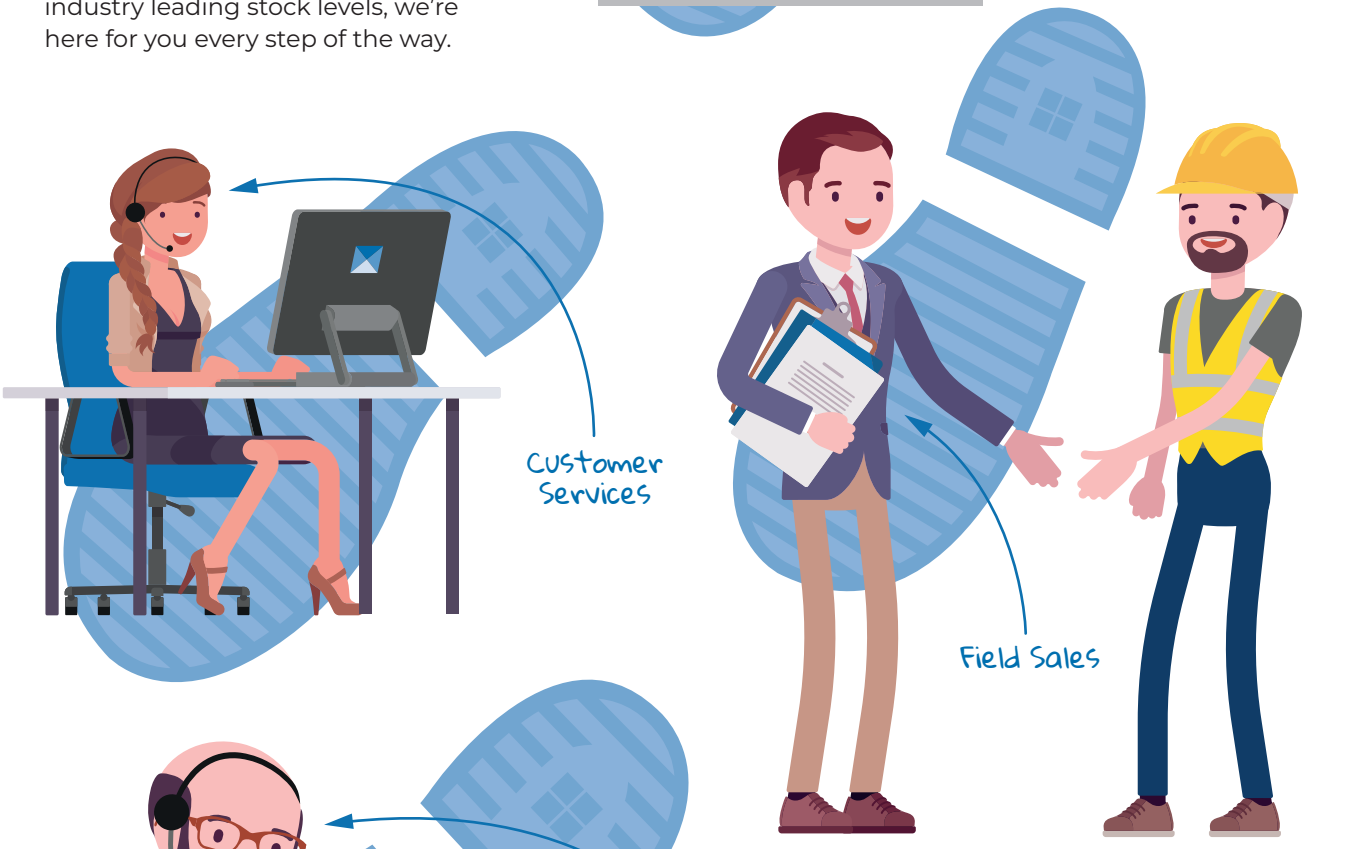

Want to find out more about how norbain can support your business? **Contact us today:**

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