



CCTV | IP & Analogue PTZ

X2 COMBAT S - HYBRID



Key Features

- Dual IP and Analogue PTZ Camera
- Pelco P and D Telemetry
- ONVIF (Profile S, G & T) Compliant
- Tough, rugged camera, Marine-Grade finish as standard
- Adaptive White Light and IR (zoom-linked) operation
- VMS Integration, including Redvision
 VMS1000™
- Rugged Mounting Bracket Options
- Brushless Stepper Motors for Resilience and Durability
- SD Card recording option, up to 256GB.
- Long Life Silicone Wiper





X2 COMBAT HYBRID



X2 COMBAT Hybrid rugged ball PTZ

The X2-COMBAT rugged, ball PTZ cameras are designed for tough, outdoor, surveillance applications. The X2-COMBAT uses advanced production techniques and state-of-the-art technology to offer a world-class, rugged CCTV camera with a best-in-class, feature set. The die-cast aluminium body is anodised before being powder coated, making the camera environmentally tough and resistant to malicious attack or vandalism.

Everything about the X2-COMBAT rugged, ball PTZ is of high quality. All moving parts are designed to last; from its long-life, silicon wiper through to the motor technology used in its pan and tilt mechanism and its 30x optical zoom camera module, with exceptional low-light performance. The camera is perfectly balanced, minimising component wear and giving a mean time before failure (MTBF) rating of 7 years.

Dual Analogue and IP PTZ

The Hybrid X2-COMBAT can be used as either an IP or an analogue PTZ camera. This allows users to install the unit into sites with legacy analogue infrastructure, and keep the same HD camera for when an IP upgrade is permitted. The camera has coaxial video output, and Pelco P or D telemetry control; along with IP connectivity and ONVIF compliance.

Intuitive, operator control

The X2-COMBAT has intuitive, operator control, from fast pan and tilt speeds of up to 180° / second to speeds of less than 0.1° / second, for when an operator is precisely tracking a target. The COMBAT™ also features long-life, super-efficient, white-light and IR LED illumination technologies, for night-time operation.

3D positioning allows operators simple control of the X2-COMBAT™ PTZ. Quick and simple setup directly from the COMBAT™'s Web User Interface; or tracking targets by mouse click from a compatible control platform, latency and over run are no longer an issue.

VMS Integration Including Redvision VMS1000

ONVIF is an open industry standard that defines a communication protocol for IP-based video surveillance devices. This allows different manufacturers' cameras and video management software (VMS) to interoperate. Redvision VMS1000 is an ONVIF-compliant VMS that can be used to manage a wide range of IP cameras, with an enhanced SDK level integration into all Redvision's cameras.

Simple install, maintenance free

The X2-COMBAT is designed for easy installation and configuration. A complete range of brackets, mounts and cable extensions allow upright or hanging installation in any environment, with a choice of RAL colour options to order. Cantilever arms enable the camera to view directly downwards on pole or tower mounts.

The X2-COMBAT mounting bracket has a 4" PCD mount with M8 clearance holes. A complete range of brackets, mounts and cable extensions are also available, which are zinc plated then powder coated.

The X2-COMBAT utilises a tooled silicone wiper option to keep the camera's view through the flat, scratch-resistant window free of water and dirt. A linkage-free, sprung steel mechanism reduces wiper wear and a polycarbonate window gives an even tougher option. Wiper activation is by a button press on VMS systems, including the VMS1000™, or by pre-set.

Extensive features

The X2-COMBAT has an extensive range of features including four video streams for recording, visualisation, set-up and servicing; H265, H264 and MJPEG compression; optional 256GB maximum SD card-based edge storage; ONVIF compliance to Profile S and G; 400 pre-sets, 12 tours, 12 scans, 6 tracks and 20 privacy masks; alarms, motion detection, intelligent analytics; and its operating temperature range is -40°C to 70°C.

Night-Time Performance

The Redvision X2-COMBAT rugged, ball PTZ cameras have infra-red (IR) and white light illumination options, using long-life, super-efficient LEDs. DORI (Detection, Observation, Recognition and Identification) tests show that the X2-COMBAT performs up to 300m.

The X2-COMBAT has Osram adaptive illumination, automatically adjusting IR and white light intensity in proportion to zoom and scene content. This feature ensures scene images are well-lit, but not bleached by over-exposure.

White light can be switched on as a visual deterrent to intruders.



| Image | Part Code and Description |
|-------|--|
| | RVX2S-HYB-G: 30:1 4MP Hybrid IP and Analogue Ball PTZ, WIPER - Light Grey |
| | RVX2S-HYB-B: 30:1 4MP Hybrid IP and Analogue Ball PTZ, WIPER - Black |
| | RVX2S-HYB-IR-G: 30:1 4MP Hybrid IP and Analogue Ball PTZ, IR, WIPER - Light Grey |
| | RVX2S-HYB-IR-B: 30:1 4MP Hybrid IP and Analogue Ball PTZ, IR, WIPER - Black |
| | RVX2S-HYB-IRWL-G:30:1 4MP Hybrid IP and Analogue Ball PTZ, IR/ White Light, WIPER - Light Grey |
| | RVX2S-HYB-IRWL-B:30:1 4MP Hybrid IP and Analogue Ball PTZ, IR/ White Light, WIPER - Black |



Brackets and Accesories

| Image | Part Code and Description | Drawing |
|-------|--|----------|
| | RVX2-STANDOFF-G: 120 mm Standoff mount bracket - Light Grey RVX2-STANDOFF-B: 120 mm Standoff mount bracket - Black | © 125 mm |
| | RVX2-WALL-G: Wall mount bracket - Light Grey RVX2-WALL-B: Wall mount bracket - Black | 286 mm |
| | RVX2-SWAN-G: Swan mount bracket - Light Grey RVX2-SWAN-B: Swan mount bracket - Black | 425mm |
| | RVX2-POLE-G: Pole mount adaptor 60-90mm for RVX2-WALL - Light Grey RVX2-POLE-B: Pole mount adaptor 60-90mm for RVX2-WALL - Black | 230 mm |
| | RVX2-CNR-G: Corner Mount adapter for RVX2-WALL - Light Grey RVX2-CNR-B: Corner Mount adapter for RVX2-WALL - Black | 140mm |
| | RVX2-VISOR-G: Sun & rain Visor (only applies when camera is mounted in upright position) - Light Grey RVX2-VISOR-B: Sun & rain Visor (only applies when camera is mounted in upright position) - Black | |
| | RVX2-WASH: Washer nozzle kit – compatible with standard CCTV wash pumps | 114.9 |
| | RV-HYB-PSU: 24V DC PSU for X2 Hybrid Camera | |
| Other | RVX2-SD, RVX2-PC4, RV-HYB-CABLE-5/10/20 | |



Technical Specification

| Camera | |
|-------------------------|--|
| Image Sensor | 1/2.8" Progressive Scan CMOS |
| Effective Pixels | 2592(H)×1520(V) |
| Electronic Shutter | Auto/Manual, 1/5 ~ 1/20,000s |
| Min. illumination | Colour: 0.01 Lux @ (F1.6, AGC ON) B/W: 0.001 Lux, 0 Lux (IR LED ON) |
| S/N Ratio | 55 dB |
| Day/Night | Auto(ICR)/Day / Night/Timing |
| Wide Dynamic Range | True WDR |
| IR On/Off Control | Auto/Manual |
| Lens | |
| Focal Length | 5.3 ~ 159mm |
| Max. Aperture | F1.6 ~ F4.3 |
| Angle of View | H: 55° ~ 2.3°, H: 41.6° ~ 1.7° |
| Optical Zoom | 30x |
| Focus Control | Auto/Manual |
| PTZ | |
| | Pan: 360° continuous Tilt: 150° |
| Pan/Tilt Range | (Cantilever function gives 180° view range) |
| Manual Control Speed | Pan: 0.1° ~ 180°/s, Tilt: 0.1° ~ 90°/s |
| Preset Speed | Pan: 180°/s, Tilt: 90°/s |
| Presets | 400 |
| PTZ Mode | 6 Track, 12 Scan, 12 Tour (up to 32 presets per tour) |
| 3D Positioning | Supported |
| Power-Off Memory | Supported |
| PTZ Status Display | Supported |
| Idle Motion | Activate Preset/ Scan/ Tour/ Track if there is no command in the specified period |
| Video | |
| Encoding | H.264 / H.265 / MJPEG / Smart Encode |
| Max. Resolution | 4MP (2592×1520) |
| Streaming Capability | 3 Streams |
| Stream/Frame Rate | Stream1: 2592×1520, 2560×1440, 2304×1296, , 1920×1080, 1280×720 @ 25/30fps Stream2: D1, VGA, 640×360, CIF, QVGA @ 25/30fps |
| Bit Rate Control | Stream3: VGA, CIF, QVGA @ 25/30fps CBR/VBR |
| z rato control | Stream1: 200kbps~12Mbps |
| Bit Rate | Stream2: 10kbps~12kbps Stream3: 10kbps~1.5kbps |
| Image Setting | HLC / Defog / WDR / Anti-shake / Brightness / Saturation / Sharpness / Contrast / Exposure Control / Scene |
| Noise Reduction | 2D/3D DNR |
| Region of Interest | Off/On (8 Zone, Rectangle) |
| Privacy Masking | Up to 20 Masks |

| Protocols Prvd/IPv6, 802.1x, HTTP, HTTPS, TCP/IP, UDP/IP, RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, DPNS, ICMP, QOS Interoperability | | | |
|---|------------------------|--|--|
| Protocols RTSP, DHCP, NTP, RTCP/RTP, PPPOE, SMTP, DNS, UPPN, FTP, ARP, SNMP, TLS/SSL, IGMP, DNS, DDNS, ICMP, QOS Interoperability ONVIF (Profile S, G & T), SDK, CGI Streaming Method Max. User Access Io Users Edge Storage Built-in Micro SD slot, up to 256G Microsoft Windows: ≤IE11, Chrome, Firefox, Microsoft Edge MacOS: Chrome, Firefox Analogue Connectivity Coaxial Video CVBS Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100−240VAC 50/60Hz. Power Consumption 24VDC: 50W. Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating 40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test FN EMC BS EN 55032:2015+A11:2020, Class A BS EN 55130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 250m White Light: 250m White Light: 250m Observation IR Light: 250m White Light: 250m White Light: 150m | Network | | |
| Streaming Method Max. User Access Edge Storage Built-in Micro SD slot, up to 256G Microsoft Windows: ≤IE11, Chrome, Firefox, Microsoft Web Viewer Edge Edge MacOS: Chrome, Firefox Analogue Connectivity Coaxial Video CVBS Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 551030-4:2011+A1:2014 Marine finish a standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour BAC NORL Illumination Range IR (850nm) to 300m White Light: 050m White Light: 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m White Light: 250m Observation IR Light: 350m White Light: 250m White Light: 150m | Protocols | RTSP, DHCP, NTP, RTCP/RTP, PPPoE, SMTP, DNS, UPnP, FTP, ARP, SNMP, TLS/SSL, IGMP, DNS, | |
| Max. User Access Edge Storage Built-in Micro SD slot, up to 256G Microsoft Windows: ≤IE11, Chrome, Firefox, Microsoft Edge MacOS: Chrome, Firefox Analogue Connectivity Coaxial Video CVBS Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C - +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour BALT 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m White Light: 250m Observation IR Light: 300m White Light: 250m | Interoperability | ONVIF (Profile S, G & T), SDK, CGI | |
| Edge Storage Built-in Micro SD slot, up to 256G Microsoft Windows: ≤IE11, Chrome, Firefox, Microsoft Edge MacOS: Chrome, Firefox Analogue Connectivity Coaxial Video CVBS Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C → +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 550130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light: 0250m DORI Category Distance covered Detection IR Light: 250m White Light: 150m | Streaming Method | Unicast | |
| Microsoft Windows: ≤IE11, Chrome, Firefox, Microsoft Edge MacOS: Chrome, Firefox Analogue Connectivity Coaxial Video CVBS Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100∼240VAC 50/60Hz. Power Consumption 24VDC: 50W. Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C → +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards Vibration Testing (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 50130:2015+A11:2020, Class A BS EN 50130-2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light: 100m White Light: 250m DORI Category Distance covered Detection IR Light: 250m White Light: 150m | Max. User Access | 10 Users | |
| Analogue Connectivity Coaxial Video CVBS Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Non-LED models: H 340mm W 191mm | Edge Storage | | |
| Telemetry Pelco P and D Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating 40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556: 2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m White Light: 250m Cobservation IR Light: 350m White Light: 150m White Light: 150m | Web Viewer | Edge | |
| Intelligence & Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating 40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 350m White Light: 250m Observation IR Light: 150m White Light: 150m | Analogue Connectivity | • | |
| Auto Tracking Alarm Auto Tracking Supported Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100-240VAC 50/60Hz. Power Consumption 24VDC: 50W. Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Camera Body IR Light: 300m White Light to 250m DORI Category Distance covered Detection IR Light: 250m White Light: 250m White Light: 250m Observation IR Light: 150m White Light: 150m | Coaxial Video | CVBS | |
| Auto Tracking Alarm Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C Temperature (Light colours only, Black: 50°C) Meets Ik10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 Vibration Testing (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Camera Body Camera Body IR (850nm) to 300m White Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light: 0250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m White Light: 250m Observation IR Light: 150m White Light: 150m | Telemetry | Pelco P and D | |
| Alarm Motion alarm, Disk alarm, Day/Night switch alarm, Network alarm, Audio abnormal alarm, Alarm push Electrical and Physical Power Supply 24VDC via PSU module; input 100–240VAC 50/60Hz. Power Consumption 24VDC: 50W. Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C Temperature (Light colours only, Black: 50°C) Impact Rating Meets Ik10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 Vibration Testing (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light: 0250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 250m Recognition IR Light: 150m White Light: 150m | Intelligence & Alarm | | |
| Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C Temperature (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 550130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Camera Body IR AL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light 250m DORI Category Distance covered Detection IR Light: 250m White Light: 250m Observation IR Light: 150m White Light: 150m | Auto Tracking | Supported | |
| Power Supply 24VDC via PSU module; input 100~240VAC 50/60Hz. Power Consumption 24VDC: 50W. Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m White Light: 250m Observation IR Light: 150m White Light: 150m | Alarm | | |
| Power Consumption 24VDC: 50W. Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C Temperature (Light colours only, Black: 50°C) Impact Rating Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 150m | Electrical and Physica | | |
| Dimensions Non-LED models: H 340mm W 191mm LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m White Light: 250m White Light: 250m White Light: 150m White Light: 150m | Power Supply | , I | |
| Dimensions LED models: H 340mm W 293mm Weight 5.2kg without lamps, 5.8kg with lamps Operating -40°C ~ +70°C Temperature (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 150m | Power Consumption | | |
| Operating Temperature (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IF68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 55032:2015+A11:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 150m | Dimensions | | |
| Temperature (Light colours only, Black: 50°C) Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64-2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A11:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 150m | | | |
| Impact Rating Meets IK10 standards (with Polycarbonate window fitted) Corrosion Testing ASTM B117 1000 hour Salt-Spray Test Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 150m | , , | | |
| Polycarbonate window fitted) Corrosion Testing | Temperature | | |
| Ingress Protection Meets IP68 standards TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | | Polycarbonate window fitted) | |
| TEN 50556:2011, clauses 6.3.2 & 11 (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 150m White Light: 150m | | , , | |
| Vibration Testing (Table 3, Class AL2) EN 60068-2-64- 2008 Test Fh EMC BS EN 55032:2015+A11:2020, Class A BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | Ingress Protection | | |
| BS EN 50130-4:2011+A1:2014 Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish Colour RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | Vibration Testing | (Table 3, Class AL2) EN 60068-2-64- | |
| Camera Body die-cast alloy, with anodised, powdercoated finish RAL 7035 Light-Grey or RAL 9005 Black. Custom RAL made to order. Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 250m Recognition IR Light: 150m White Light: 150m | EMC | • | |
| Lighting & DORI Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | Camera Body | Marine finish as standard, Aluminium, die-cast alloy, with anodised, powdercoated finish | |
| Illumination Range IR (850nm) to 300m White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | Colour | 9 , | |
| White Light to 250m DORI Category Distance covered Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | | | |
| DORI Category Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | Illumination Range | | |
| Detection IR Light: 300m White Light: 250m Observation IR Light: 250m White Light: 200m Recognition IR Light: 150m White Light: 150m | DORI Category | - | |
| Recognition IR Light: 150m White Light: 150m | | | |
| ů š | Observation | | |
| Identify IR Light: 75m White Light: 75m | | - | |
| | Identify | IR Light: 75m White Light: 75m | |











