DATASHEET

4MP Varifocal Network Cameras with Dual Light & Smart ISP

VIP-T4MP28v12IRWLMe-WI, VIP-T4MP28v12IRWLMe-WI-BLK,
VIP-D4MP28v12IRWLMe-WI, VIP-B4MP28v12IRWLMe-WI

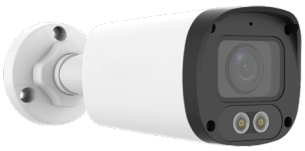
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VIP-T4MP28v12IRWLMe-WI



VIP-T4MP28v12IRWLMe-WI-BLK



VIP-B4MP28v12IRWLMe-WI



VIP-D4MP28v12IRWLMe-WI

ONVIF

NDAA COMPLIANT

Vista's VIP Series Dual Light IP Cameras with Smart-ISP combine advanced AI-driven image processing with NDAA-compliant security technology to deliver great video quality in challenging lighting conditions. Using a revolutionary 9-step image enhancement process, Smart-ISP technology captures vivid, full-colour images at night, in low-light environments, or indoors with minimal illumination — without relying on intrusive white light LEDs or traditional infrared lighting.

Powered by a sophisticated AI engine trained across multiple real-world scenarios, the camera intelligently analyses billions of data points in real time to optimise exposure, contrast, colour accuracy, and image definition. Advanced features such as pixel-level image enrichment, brightness enhancement, dynamic noise reduction, smear control, colour restoration, and shadow correction work together to produce outstanding image clarity and detail.

Ideal for applications where additional lighting is impractical or undesirable, Smart-ISP cameras provide reliable detection of people, vehicles, and activity across a wide range of environments, including business parks, offices, retail stores, hospitality venues, and residential properties.

The Vista VIP varifocal cameras are versatile, easy to install making them an excellent choice for CCTV projects. Available in 4MP resolutions, with integrated motorised lens, IP67-rated housing offering robust protection against water and dust ingress and useful analytic benefits – cross line and intrusion, plus event capabilities, motion detection, ultra motion detection, tampering alarm and audio detection.

Supporting dual simultaneous video streams in multiple compression formats including H.264 and H.265, the camera enables optimisation of image quality, bandwidth usage, and storage requirements. Additional features include up to 50 metres of illumination for both IR and white light, edge storage via a MicroSD card slot supporting capacities up to 512GB, Power over Ethernet (PoE), and a built-in microphone.

As part of the Vista VIP ecosystem, the camera integrates seamlessly with the VIP Series NDAA-compliant IP NVR-IQ recorders, providing a complete surveillance solution that meets the requirements of most CCTV projects.

KEY FEATURES

- 2.8-12mm varifocal lens
- Dual Light illumination up to 50m
- Smart ISP Nightview technology
- Analytics: Cross Line and Intrusion Detection
- IP67 Rated
- H.264/H.265 compression
- ONVIF Profiles – S, G, T
- 9:16 Corridor Mode

To learn more about Vista's NDAA compliant video surveillance products please visit **www.norbain.com/brands/vista**

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THIS PRODUCT QUALIFIES FOR vista 3 YEAR ADVANCE REPLACEMENT

TECHNICAL SPECIFICATION

Model	VIP-B4MP28v12IRWLMe-WI	VIP-T4MP28v12IRWLMe-WI(-BLK)	VIP-D4MP28v12IRWLMe-WI
CAMERA			
Image Sensor	1/3.0" 4 MP CMOS		
Min. Illumination	Color: 0.002 Lux (F1.6, AGC ON), 0 Lux with IR on		
Shutter	Auto/Manual, 1 to 1/100000 s		
Adjustment Angle	Pan: 0° to 360°, Tilt: 0° to 90°, Rotate: 0° to 360°	Pan: 0° to 360°, Tilt: 0° to 75°, Rotate: 0° to 360°	Pan: 3° to 360°, Tilt: 0° to 70°, Rotate: 3° to 360°
WDR	120 dB		
Signal/Noise	> 52 dB		
LENS			
Focal Length	2.8 to 12 mm @ F1.6		
Iris Type	Fixed		
Lens Type	Motorized		
Field of View	95.6° to 30.9° (H), 52.0° to 17.6° (V), 112.2° to 33.7° (D)		
DORI			
DORI Distance	Detection: 63 m to 270 m (206.6 ft. to 885.6 ft.), Observation: 25.2 m to 108.0 m (82.7 ft. to 354.2 ft.), Recognition: 12.6 m to 43.2 m (41.3 ft. to 141.7 ft.), Identification: 6.3 m to 27.0 m (20.7 ft. to 88.6 ft.)		
ILLUMINATOR			
Illumination Distance (Warm Light/IR)	Up to 50 m (164.0 ft.)		Up to 40 m (131.2 ft.)
Wavelength	850 nm		
Light On/Off Control	Auto/Manual		
Supplemental Light	Dual light		
VIDEO			
Primary Stream	4 MP (2688 × 1520) @ 25 fps; 4 MP (2560 × 1440) @ 25 fps; 3 MP (2304 × 1296) @ 30 fps; 1080P (1920 × 1080) @ 30 fps; 720P (1280 × 720) @ 30 fps;		
Secondary Stream	720P (1280 × 720) @ 30 fps; D1 (720 × 576) @ 30 fps; 640 × 360 @ 30 fps; 2CIF (704 × 288) @ 30 fps; CIF (352 × 288) @ 30 fps;		
Video Compression	Ultra 265, H.265, H.264, MJPEG (Sub Stream Only)		
H.264 Code Profile	Baseline profile, Main profile, High profile		
Video Bit Rate	128 Kbps to 6144 Kbps		
Privacy Mask / ROI	Up to 4 areas / Yes		
INTERFACE			
Built-in Mic	Yes		
Network	1 × RJ45 10 M/100 M Base-TX Ethernet		
STORAGE			
Edge Storage	MicroSD, up to 512 GB		
Network Storage	ANR, NAS (NFS)		
NETWORK			
ONVIF	Profiles S, G, T supported		
Protocols	IPv4, IPv6, IGMP, ICMP, ARP, TCP, UDP, DHCP, RTP, RTSP, RTCP, RTMP, DNS, DDNS, NTP, FTP, HTTPS, HTTP, SMTP, SSL/TLS, QoS, SNMP, PPPoE, UPnP, 802.1x		
Security	Password protection, Strong Password, HTTPS encryption, Export operation logs, Basic and Digest Authentication for RTSP, Digest Authentication for HTTP, TLS 1.2, WSSE and Digest Authentication for ONVIF		
Web Browser	Plug-in required live view: IE 10+, Chrome 45+, Firefox 52+, Edge 79+, Plug-in free live view: Chrome 57+, Firefox 58+, Edge 16+		
General Function	Watermark, IP address filtering, Access policy, ARP protection, RTSP authentication, User authentication, HTTP authentication		
AUDIO			
Audio Compression	G.711U, G.711A, AAC-LC		
Audio Bitrate	G.711U/G.711A: 64 kbps, AAC-LC: 128 kbps		
Sampling Rate	G.711U/G.711A: 8 kHz, AAC-LC: 8 kHz, 16 kHz, 48 kHz		
INTELLIGENCE			
Smart Intrusion Prevention	Crossline Detection and Intrusion Detection		
EVENTS			
Basic Detection	Motion detection, Ultra motion detection (human/ vehicle detection), Tampering alarm, Audiodetection, Cross line (based on human body detection), Intrusion (based on human body detection)		
GENERAL			
Working / Storage Condition	-30°C to 60°C (-22°F to 140°F), Humidity: ≤ 95% RH (non-condensing)		
Protection	IP67		IP67 | IK10
Power	PoE (IEEE 802.3af)		
Consumption	DC 12 V±25%, 6.1 W	DC 12 V±25%, 5.8W	DC 12 V±25%, 6.3W
Dimensions | Weight	206.0 mm × 73.0 mm × 73.0 mm (8.1" × 2.9" × 2.9") (L × W × H) | 0.53 kg (1.17 lb)	Ø129 mm × 110 mm (Ø5.1" × 4.3") (Ø × H) | 0.67 kg (1.48 lb)	Ø128.2 mm × 99.9 mm (Ø5.0" × 3.9") (Ø × H) | 0.66 kg (1.46 lb)

MODELS IN THIS RANGE

11022750 VIP-B4MP28v12IRWLMe-WI
4MP Varifocal Bullet Camera with dual light and Smart-ISP

11022760 VIP-D4MP28v12IRWLMe-WI
4MP Varifocal Dome Camera with dual light and Smart-ISP

11022770 VIP-T4MP28v12IRWLMe-WI
4MP Varifocal Turret Camera with dual light and Smart-ISP

11054220 VIP-T4MP28v12IRWLMe-WI-BLK
4MP Varifocal Turret Camera with dual light and Smart-ISP (Black variant)

ASSOCIATED PRODUCTS

10916510 VIP-JB03
Junction Box for VIP-D4MP28V12IRWLMe-WI; VIP-T4MP28V12IRWLMe-WI



11054230 VIP-JB03-BLK
Junction box (Black) for VIP-T4MP28V12IRWLMe-WI-BLK



10925110 VIP-JB07
Junction Box for VIP-B4MP28V12IRWLMe-WI



10916570 VIP-JBWM03
Junction Box and Wall mount for VIP-D4MP28V12IRWLMe-WI; VIP-T4MP28V12IRWLMe-WI



10916580 VIP-PM01
Pole Mount for VIP-JB07



10916600 VIP-PM03
Pole Mount for VIP-JBWM03



OTHER PRODUCTS

10981040 VIP-NVR3212MP-IQ
Vista 32 Channel NVR with PoE, up to 12MP Resolution Recording and IQ, Chassis Only

10981050 VIP-NVR1612MP-IQ
Vista 16 Channel NVR with PoE, up to 12MP Resolution Recording and IQ, Chassis Only

11012920 VME22
22-Inch HDMI/VGA Vista Essentials Monitor

11012930 VME24
24-Inch V HDMI/VGA Vista Essentials Monitor

11012940 VME32
32-Inch HDMI/VGA Vista Essentials Monitor

10480580 CAT5e/UTP/305/DUCT/BLACK
305m Cat 5e PE/DUCT Cable - Black

10480540 CAT5e/UTP/305/PVC/GREY
305m Cat 5e PVC Cable - Grey

11021540 CAT5e/UTP/305/D/LSZH/BLU
305m Cat 5e LSZH Dca Cable – Blue*

11002790 CAT6/UTP/305m/PE/BLK
305m Cat 6 PE/DUCT Cable – Black

11002780 CAT6/UTP/305m/D/LSZH/VIO
305m Cat 6 LSZH Dca Cable – Violet*

11026780 60113807
305m Cat 6 LSZH B2ca Cable - Violet

** Other colours are available*

No liability will be accepted by Vista for any errors or omissions in this information. Subject to change without notice.
Version: V1.1 date: 2026-11