



Product at a Glance

- ▶ 2 MP, 4 MP, 5 MP and 8 MP models; includes heater for extreme cold temperatures
- ▶ 120 dB true WDR
- ▶ H.265/H.264 Smart Encoding; M-JPEG compression
- ▶ 28 IR LEDs (98 ft/30 m range)
- ▶ Motorized zoom and focus varifocal lens
- ▶ Edge Analytics
- ▶ Museum Search
- ▶ Quad streaming
- ▶ Power-over-Ethernet (PoE); 12 VDC
- ▶ Two-way audio
- ▶ Analog composite video out
- ▶ uSDcard slot for on-camera storage
- ▶ IP66 rated for outdoor environments
- ▶ IK10 rated for impact protection
- ▶ Surface mounting on wall or ceiling

Overview

Vicon's V980D Series of HD IP Camera Domes is designed for performance in the most demanding security installations. There are 2 MP, 4 MP, 5 MP and 8 MP models with a motorized varifocal P-iris lens; they include a heater for installations in extreme cold temperatures. The camera includes Smart IR.

The V980D Series provides quad-streaming video and supports H.264/H.265 compression technology, significantly reducing file sizes and conserving valuable network bandwidth.

The camera dome is designed for easy installation. Power over Ethernet (IEEE 802.3af) eliminates the need for power cables, providing a cost-effective method of installation. The camera also accepts 12 VDC. The V980D can be directly mounted on a wall or ceiling; other mounting options, as well as a back box for ease of cabling, are available. The camera dome provides 3-axis adjustment for any angle of view. Additionally, a composite output is provided for installation using a spot monitor (NTSC/PAL selectable). Refer to Ordering Information for details on accessories and mounting options.

In order to adapt to constantly changing outdoor lighting conditions, the V980D series features a P-iris lens; the advantages of the P-iris lens include better contrast, clarity, depth of field and avoiding blurring in brightly lit scenes. The true day/night progressive scan camera also includes a removable IR cut filter for superior image quality in all lighting conditions. True Wide Dynamic Range further improves video exposure quality in scenes with high contrast between bright and dark areas.

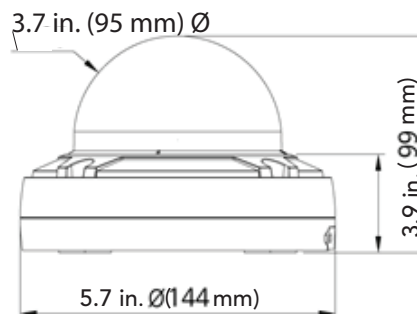
For protection against the elements, the camera dome is IP66 rated with a IK10 vandal-proof casing to withstand rain, dust, and vandalism; it is secured by tamperproof screws.

The camera can be used with Vicon Valerus™ as well as many other popular VMS systems; each VMS may support different camera functions.

Specifications

Model	V982D-W312MIR	V984D-W312MIR	V985D-W311MIR	V988D-W311MIR
Image Sensor:	1/2.8-in. progressive scan CMOS Sensor	1/3-in. progressive scan CMOS Sensor	1/2.5-in. progressive scan CMOS Sensor	1/2.5-in. progressive scan CMOS Sensor
Max Resolution:	1920 x 1080 (1080p)	2592x1520 (4 MP)	2592x1944 (5 MP)	4K (8 MP)
Image Settings:	Digital image effects: flip, mirror and defog. Configurable brightness, contrast, saturation, chroma, sharpness. White balance. Electronic shutter speed. Day/night mode. Dynamic Noise Reduction. Motion detection (16 programmable zones). Privacy masking (8 masks). ROI (8 regions). Digital zoom. Event notification.			
VCA/Analytics:	EIS, Defog, Museum Search Standard Analytics (2 MP/4 MP): Tampering. Intelligent Motion Detection (16). Intrusion Detection. Advanced Analytics (5 MP/8 MP): Standard Analytics included. Line Cross/Counter. Loitering. Object Left/Removed. Wrong Direction. Crowd Detection. Face Detection. Classification Filter for applicable - Human, Vehicle			
Electronic Shutter Speed:	Auto (1 ~ 1/10,000 sec), manual			
Day/Night Performance:	True day/night (IR cut filter)			
Wide Dynamic Range	True WDR; 120 dB			
Minimum Illumination:	Color: 0.01 lux @f/1.6; BW: 0 lux, @f/1.6, IR On	Color: 0.01 lux @f/1.6; BW: 0 lux, @f/1.6, IR On	Color: 0.01 lux @f/1.5; BW: 0 lux @f/1.5, IR On	Color: 0.01 lux @ f/1.5. BW: 0 lux @f/1.5, IR On
IR Distance:	Smart IR; 98 ft (30 m) (850 nm); 28 IR LEDs			
Lenses				
Focal Length:	2.8-12 mm	2.8-12 mm	3.6-11 mm	3.6-11 mm
Max. Aperture:	f/1.6	f/1.6	f/1.5	f/1.5
Iris:	P-Iris			
Zoom/Focus Adjust:	Motorized zoom and smart focus; manual			
Field of View: Horizontal/Vertical	33° (tele) - 100° (wide)/ 18° (tele) - 56° (wide)	31° (tele) - 97° (wide)/ 18° (tele) - 55° (wide)	38° (tele) - 87° (wide)/ 21° (tele) - 49° (wide)	38° (tele) - 87° (wide)/ 21° (tele) - 49° (wide)
Network Video Transmission				
Network:	10/100Base-T; RJ-45		10/100/1G; RJ-45	
Image Compression:	H.264; H.265; M-JPEG			
Resolution:	2 MP: 1920x1080 (1080P), 1440x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, 400x240, CIF 4 MP: 2592x1520, 2560x1440, 2304x1296, 1920x1080 (1080P), 1440x1080, 1280x1024/720, 1024x768, 800x600/480, D1, 640x480, 400x240, CIF 5 MP: 2592x1944/1520, 2560x1440, 1920x1080 (1080P), 1440x1080, 1280x1024/720, 1024x768, 800x600/480, 720x576/480, 704x576/480, 640x480, 352x288/256/240, 320x240 8 MP: 3840x2160, 3072x2048, 2592x1944/1520, 2560x1440, 1920x1080 (1080P), 1440x1080, 1280x1024/720, 1024x768, 800x600/480, 720x576/480, 704x480/576 (D1), 640x480 (VGA), 352x288/256/240, 320x240 (QVGA)			
Protocol:	TCP/IP, UDP, IPv4/v6, HTTP, HTTPS, QoS, FTP, UPnP, RTP, RTSP, RTCP, DHCP, SNMP v3, 802.1x, Digest Authentication, ARP, Zeroconf, Bonjour			
Frame Rate:	30/25 fps max.			
Streams:	Smart Encoding; Quad streams: H.264/H.265 - 3; H.264/H.265/M-JPEG - 1			
Users:	Live: 10 users; Playback: 3 users			
Web Browser:	Internet Explorer®; Chrome®, Safari®, Firefox®			
Security:	IP address filtering, HTTPS encrypted data transmission, SSL, multi-user authority; AES256 encryption			
Alarm:	1 input/1 output			
Audio Streaming:	1 input/1 output; 2-way G.711 codec.			

Dimension Drawing [in. (mm)]



Specifications

Mechanical	
Construction:	Aluminum; polycarbonate clear dome, tamperproof screws
Camera Angle of Adjustment:	3-axis camera adjustment, pan 360°, tilt 90° and roll 360°
Mounting:	Surface mount, wall or ceiling
Dimensions:	5.7 in. (144 mm) (Diam) x 3.9 in. (99 mm) (H); lower dome diameter: 3.7 in. (95 mm)
Weight:	1.7 lb (0.79 kg)
Electrical	
Input Power:	PoE IEEE 802.3af; 12 VDC
Current (heater off/on):	2 MP/4 MP: 12 VDC: 710 mA/980 mA; PoE: 190 mA/460 mA 5 MP/8 MP: 12 VDC: 690 mA/960 mA; PoE: 200 mA/470 mA
Power Consumption (heater off/on):	2 MP/4 MP: 12 VDC: 7.6 W/10.3 W; PoE: 8.5 W/11.4 W 5 MP/8 MP: 12 VDC: 8.3 W/11.2 W; PoE: 9.6 W/12.5 W
Controls and Connectors	
Connectors:	Power: standard jack for adapter; PoE/Network: RJ-45 CAT 5; Alarm Input/Output: terminal block; Audio Input/Output: terminal block; Micro SD card slot for SDHC/SDXC card (256 G max; customer-supplied); Composite Video Out: 3-pin connector
Environmental	
Operating Conditions:	Outdoor rated Temp: -40° to 131° F (-40° to 55° C) Humidity: up to 90%, non-condensing
Approvals:	FCC Class A, CE, UL EN 60950, IP66, IK10; ONVIF Profile S/T
Country of Origin:	Korea
Warranty:	3 years

Ordering Information		
Resolution	Lens	Model Number
2 MP	2.8-12 mm motorized zoom and focus; P-iris	V982D-W312MIR
4 MP	2.8-12 mm motorized zoom and focus; P-iris	V984D-W312MIR
5 MP	3.6-11 mm motorized zoom and focus; P-iris	V985D-W311MIR
8 MP	3.6-11 mm motorized zoom and focus; P-iris	V988D-W311MIR
Accessories		
In-Ceiling Mounting	Drop ceiling kit/Hard ceiling kit	V980D-ICD/V980D-ICH
In-Ceiling Mounting	Kit for mounting V980D into a ceiling	V670-HCS254V
Pendant Mount	1-1/2" NPT pipe mount adapter; converts dome for pendant mounting; compatible with SVFT-UWM-1/SVFT-WM-1	V670-HDA202-1
Wall Mount	For mounting the dome to a wall	V670-HDB243
Electrical Box	For ease of cabling	V932EZ-BOX-2
Trim Ring	Allows the camera to be installed on a 4x4 electrical box	V670-TRIM
Composite Video Out Cable	For connection to a spot monitor	V800-BNC



V670-HCS254V



V670-HDA202-1



V670-HDB243



V932EZ-BOX-2



V670-TRIM

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