



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
- ▶ 34 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 V980B Series of HD IP Bullet Cameras 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 V980B Series provides quad-streaming video and supports H.264/H.265 compression technology, significantly reducing file sizes and conserving valuable network bandwidth.

The bullet camera 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 bullet camera can be mounted on a wall or ceiling using the integral wall mount that allows adjustment for the 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 other mounting options.

In order to adapt to constantly changing outdoor lighting conditions, the V980B 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 bullet camera is IP66 rated with a IK10 vandal-proof casing to withstand rain, dust, and vandalism.

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	V982B-W312MIR	V984B-W312MIR	V985B-W311MIR	V988B-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); 34 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.			

Specifications

Mechanical	
Construction:	Aluminum
Camera Angle of Adjustment:	Adjusted using integral wall mount. Mechanical camera adjustment pan 360°, tilt 90° and roll 360°.
Mounting:	Surface mount, wall or ceiling
Dimensions:	3.5 in. (90 mm) (W) x 3.4 in. (86 mm) (H) x 11 in. (279 mm) (L)
Weight:	1.9 lb (0.86 kg)
Electrical	
Input Power:	PoE IEEE 802.3af; 12 VDC
Current (heater on/off):	2 MP/4 MP: 12 VDC: 740 mA/1010 mA; PoE: 200 mA/470 mA 5 MP/8 MP: 12 VDC: 690 mA/960 mA; PoE: 200 mA/470 mA
Power Consumption (heater on/off):	2 MP/4 MP: 12 VDC: 8.0 W/10.9 W; PoE: 9.0 W/11.9 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: 5-pin micro USB
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	V982B-W312MIR
4 MP	2.8-12 mm motorized zoom and focus; P-iris	V984B-W312MIR
5 MP	3.6-11 mm motorized zoom and focus; P-iris	V985B-W311MIR-
8 MP	3.6-11 mm motorized zoom and focus; P-iris	V988B-W311MIR
Accessories		
Backbox	For ease of cabling; compatible with V-20BA-3 pole mount and V-24CMB-3 corner mount	V980B-BOX
Corner Mount	Adapter for corner mounting; compatible with V980B-BOX	V670-HCM150
Pole Mount	Adapter for pole mounting; compatible with V980B-BOX	V670-HCM151
Composite Video Out Cable	For connection to a spot monitor; USB to BNC	V988B-USB-BNC



V670-HCM150

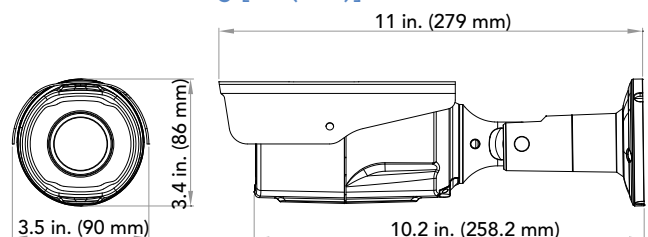


V670-HCM151



V980B-BOX

Dimension Drawing [in. (mm)]



Data Sheet Number: V317-00-00
Vicon Data Sheet Number: 8009-7317-00-00

Specifications subject to change without notice.
Vicon and their logos are registered trademarks of Vicon Industries Inc.
Copyright © 2020 Vicon Industries Inc. All rights reserved.

Explorer is a registered trademark of Microsoft Corporation.
Chrome is a registered trademark of Google LLC.
Firefox is a registered trademark of Mozilla Corp.
Safari is a registered trademark of Apple Inc.