

V9360W-E HEMISPHERIC NETWORK DOME CAMERA



Product at a Glance

- ▶ 6 megapixel progressive scan CMOS sensor
- ▶ Day/night with extreme low-light sensitivity
- ▶ Minimum illumination 0.05 lux at F2.6 (B&W)
- ▶ 180°/360° panorama view with dewarped streaming
- ▶ Built-in fixed f1.3 mm F2.8 megapixel fisheye lens
- ▶ 6 MP maximum resolution
- ▶ Audio in and audio out connections
- ▶ Motion detection
- ▶ Advanced Wide Dynamic Range (WDR)
- ▶ Micro SDHC/SDXC card slot for local storage
- ▶ Powered by PoE; 12 VDC
- ▶ Outdoor weatherproof IP68; vandalproof IK10

360 Degree Vision

The V9360W-E provides a high-resolution, hemispherical view of your world that eliminates blind spots and improves long term reliability. Onboard image processing of the 6 megapixel sensor image provides crisp distortion free images. An integral fisheye lens provides an extremely wide angle of view for a panoramic image, capturing a complete 360° view delivered as two 180° images. The image dewarping is done in the camera itself; this image is then sent as a single stream to the VMS to be used for recording and live view. The V9360W-E withstands extreme outdoor weather conditions; it is IP68 and IK10 rated.

Overview

The V9360W-E offers dual-streaming video and supports H.264 compression technology, drastically reducing file sizes and conserving valuable network bandwidth; M-JPEG compression is also supported.

The hemispheric camera is an extreme outdoor camera. This day/night camera has extreme low light sensitivity up to 0.05 lux.

Installation of the V9360W-E is made easy and cost effective with Power over Ethernet (IEEE 802.3af), which eliminates the need for power cables; 12 VDC is also accepted. A variety of mounting options are available. Refer to table below.

The camera can be used with many popular VMS systems, including ViconNet®; each VMS may support different camera functions. Using ViconNet, it is possible to digitally zoom in live or recorded video, providing a close look at any object within the two panoramic views; pixilation is minimal due to the superior resolution.

Models and Accessories

Resolution	Environment	Model Number
Up to 3096 x 2080 pixels (6 megapixel)	Outdoor	V9360W-E
Mounting Options		
Wall Mount (plastic)		V9360-WM
Wall Mount (metal)		V9360W-WM
Pendant Mount		V9360-PM

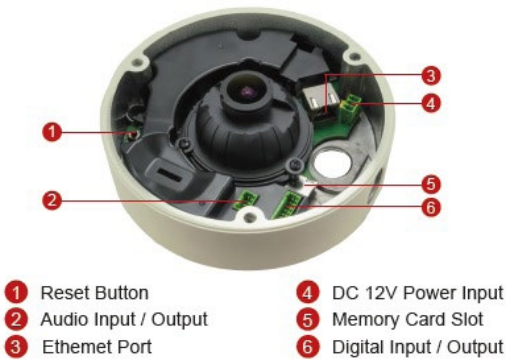
SPECIFICATIONS

Model	V9360W-E
Camera	
Device Type:	Outdoor hemispheric cameras
Image Sensor:	1/1.8 " progressive scan CMOS
Max FPS vs Resolution:	Fisheye view mode: 10 fps at 3072 x 2048; 10 fps at 2592 x 1944; 10 fps at 2048 x 1536; 10 fps at 1440 x 1080; 10 fps at 1280 x 960; 10 fps at 800 x 600; 10 fps at 640 x 480 Dewarped view mode: 12 fps at 2592 x 1944; 12 fps at 2048 x 1536; 12 fps at 1920 x 1080; 12 fps at 1280 x 720; 12 fps at 640 x 480; 12 fps at 320 x 240
Image Settings:	Advanced WDR (80 dB). Configurable brightness, contrast, saturation. White balance. AGC. DNR (2D+3D). Flickerless. Defogging. Image flip and mirror. Motion detection (3 regions). Privacy masks (4). Text overlay.
Electronic Shutter Speed:	1/5 - 1/2000 sec (manual mode); 1/5 - 1/10,000 sec (auto mode)
Day/Night Performance:	Day/Night with mechanical IR cut filter; extreme low-light sensitivity
Color to Black&White Switch:	ISP based switch, configurable
IR Sensitivity:	700-1100 nm
Minimum Illumination:	Color: 0.1 lux; BW: 0.05 lux @F/2.6, 30 IRE, 2400° K
Lenses	
Lens:	Fisheye 1.3 mm, F2.6; fixed focus and iris
Horizontal Angle of View:	203.5° (overview area); 124.2° (high detail area)
Network Video Transmission	
Network:	10Base-T, 100Base-TX, RJ-45
Image Compression:	H.264, M-JPEG
Multi-Streaming:	Simultaneous dual streams based on two configurations in single view mode; multiple streams based on single configuration in 6 cropped VGA mode
View Modes:	180°/360° panorama, ePTZ*, Fisheye, Dewarped
Bit Rate:	Constant or Variable; 28 Kbps - 6 Mbps (per stream)
Audio:	8 kHz, Mono, PCM, 16-bit encoding; G.711
Protocols:	IPv6, TCP, UDP, HTTP, RTP, RTSP, NTP, DHCP, SMTP, DDNS, HTTPS, PPPoE, DNS, ICMP, ARP, IGMP, UPnP, SNMP, FTP, Bonjour
Concurrent Users:	Up to 6 concurrent clients (at highest resolutions)
Web Browser:	Internet Explorer® 8.0 and above
Alarms:	Video Motion Detection (up to 6 regions, depending on video mode); external device through digital input
Security:	Password protection, IP address filtering, HTTPS, IEEE 802.1X network access control
Mechanical and Electrical	
Construction:	Outdoor: Die cast aluminum. Indoor: Plastic
Mounting:	2 mounting holes provided; wall mounts and pendant mounts available
Controls and Connectors:	PoE/Network: RJ-45. Digital Input/Output: 8 pin terminal block (2 of each). Power: 3 pin terminal block. Audio In/Out: phone jacks with cable (indoor); terminal block (outdoor). Micro SDHC card slot.
Dimensions:	H: 2.6 in. (66 mm); D: 6 in. (152 mm)
Weight:	1.97 lb (0.9 kg)
Input Power:	PoE (IEEE 802.3af Class 3); 12 VDC
Current:	0.5 A @ 12 VDC
Power Consumption:	PoE: 7.2 W; 12 VDC: 6.24 W
Environmental	
Operating Conditions:	Temp: -40 to 122° F (-40 to 50° C) Humidity: 10% - 85%, non-condensing.
Approvals:	FCC Class B, CE, IP68, IK10, NEMA 4X.
Warranty:	3 years

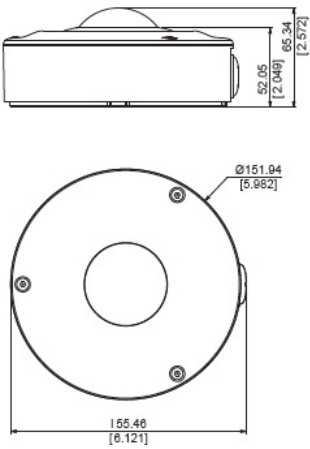
*Not supported by ViconNet.

SPECIFICATIONS

Connectors and Indicators



Dimension Drawing



Unit: mm [inch]

Mounting Accessories



V9360-PM



V9360-PT



V9360-WM



V9360-CM