



Product at a Glance

- ▶ Resolutions up to 5 MP
- ▶ H.264 Main Profile + MJPEG compression
- ▶ 1, 2, 3 MP WDR (100dB)
- ▶ IP66/NEMA4 outdoor enclosure
- ▶ Remote back-focus for sharp focusing
- ▶ True day/night movable IR filter
- ▶ Power-over-Ethernet (PoE); 12-24 VDC; 24 VAC
- ▶ ONVIF and PSIA compliant

Overview

The Sentinel is a full featured, multi-megapixel H.264 all-weather camera. With support for up to 5 MP resolutions, this camera provides multiple, individually configured H.264 and simultaneous M-JPEG streams. Designed with the installer in mind, innovative features drastically reduce installation costs and time. The Sentinel provides the increased processing power needed to run analytics or VMS applications at the edge.

Wide Range of Models Available

Available in H.264 with support for HD720p, HD1080p, 3MP and 5MP resolutions, the Sentinel provides the highest quality megapixel images with the lowest bandwidth demands. Both ONVIF and PSIA compliant, the Sentinel works seamlessly with all leading NVR/VMS providers. A choice of models with varifocal lenses are available. Refer to the Models and Descriptions table.

Special Features

The remote back focus greatly reduces installation time using the One-Touch-Focus feature for sharp images and allowing fine focus adjustments from a remote computer, eliminating the need for manual focus adjustments at the camera. Ethernet terminal punch-down eliminates the need to terminate with an RJ45 connector. Built-in steel camera hangers allow the installer to work with both hands.

In addition, the wall, ceiling and parapet mounting options, rugged aluminum construction, and IP66 weather resilience allow the camera to be installed in almost any harsh environment. At less than 8W power consumption, the Sentinel can be fully operational using only PoE.

Embedded Vicon Analytics

Free basic edge-based analytics seamlessly integrate into ViconNet VMS. Alerts are generated without need of analytics server.

 Intelligent Video Motion Detection	 Camera Tampering Detection	 Intrusion Detection
Reduces the number of false alarms by intelligently analyzing motion in a scene to filter out false triggers caused, for example, by lighting changes and movement by animals or trees	Monitors video to detect camera failures or tampering, including lens blocking or change in angle of view, and generates an alert	Provides automated perimeter monitoring to secure a specific area for person or vehicle intrusion

SENTINEL CAMERAS

SPECIFICATIONS



Model	IQ861WE-V6; IQ861WE-V17		IQ862WE-V6; IQ862WE-V17; IQ862WE-W2		IQ863WE-V6; IQ863WE-V17; IQ863WE-W2		IQ865NE-V6; IQ865NE-V17; IQ865NE-W2	
Image Sensor:	1/3." CMOS						1/2.5" CMOS	
Max Resolution:	HD 720P - 1280 x 720		HD 1080P - 1920 x 1080		3.1 MP - 2048 x 1536		5.0 MP - 2560 x 1920	
Image Settings:	Remote back-focus with one-touch focus. Digital image effects: flip and rotate (horizontal and vertical)180°. Configurable brightness, contrast, saturation, sharpness. White balance. Digital zoom. Gain control. Exposure. Electronic shutter speed. Day/night mode. BLC (Backlight Compensation). Motion detection. Privacy masking. Event recording/notification. WDR (select models). Time-lapse recording.							
Electronic Shutter Speed:	1/20,000							
Day/Night Performance:	True day/night (IR cut filter)							
Minimum Illumination:	Color: 0.2 lux; B/W: <0.05 lux; 0 lux with external IR source						Color: 0.3 lux; B/W: <0.05 lux; 0 lux with external IR source	
IR Range (sensor):	800 - 940 nm							
Lenses								
Focal Length:	V6: 12-40 mm; V17: 3.3-10 mm; W2: 1.8-3 mm							
Max. Aperture:	V6: f/1.8 V17: f/1.4; W2: f/1.4							
Iris:	Manual							
Zoom/Focus Adjust:	Varifocal							
Horizontal Field of View:	V17: 27° - 70°; V6: 9° - 18°		V17: 27° - 70°; W2: 76° - 102°; V6: 9° - 18°		V17: 28° - 75°; W2: 78° - 106°; V6: 10° - 24°		V17: 36° - 93°; W2: 87° - 115°; V6: 9° - 28°	

Network Video Transmission

Network:	10Base-T - 100Base-TX, RJ-45			
Image Compression:	H.264; M-JPEG			
Resolution:	1280x720 (720P), 720x480 (480P), 352x240 (CIF)	1920x1080 (1080P), 1280x720 (720P), 720x480 (480P), 352x240 (CIF)	2048x1536 (3 MP), 1920x1080 (1080P), 1280x720 (720P), 720x480 (480P), 352x240(CIF)	2560x1920 (5 MP); 2048x1536 (3 MP); 1920x1080 (1080P), 1280x720 (720P), 720x480 (480P), 352x240 (CIF)
Protocol:	IPv4, IPv6*, TCP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP, DNS, ARP, ICMP, NTP, UPnP, ZeroConf, UDP multicast, APIPA, CIFS, SNMP, SMTP, Telnet			
Max. Frame Rate:	30 fps		20 fps	10 fps
Streams:	Triple streaming			
Users:	Live viewing for up to 10 clients			
Web Browser:	Internet Explorer®, Safari®, Firefox®, Google Chrome®			
Security:	HTTPS encrypted configuration, SSL, multi-level password protection			
Apps and Utilities:	IQfinder, IQmanager, IQaccess (limited, no audio) Vicon analytics: Intelligent Motion Detection - analyzes motion in a scene to filter out false triggers, reducing the number of false alarms; Camera Tampering - monitors video to detect camera failures or tampering, including lens blocking or change in angle of view, and generates an alert; Intrusion Detection - provides automated perimeter monitoring to secure a specific area for person or vehicle intrusion			

Mechanical and Electrical

Construction:	Cast aluminum
Camera Adjustment:	Pan and tilt adjustment
Mounting:	Surface mount. Mounting accessories available for pendant/wall.
Dimensions:	Refer to Dimensional Drawing.
Weight:	6.25 lb (2.84 kg)

Dated: 3/2016

Specifications subject to change without notice.

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SPECIFICATIONS

Electrical

Input Power:	Power over Ethernet (PoE, 802.3af Class 2); 24 VAC; 12 - 24 VDC
Power Consumption:	<8.0 W, including heater

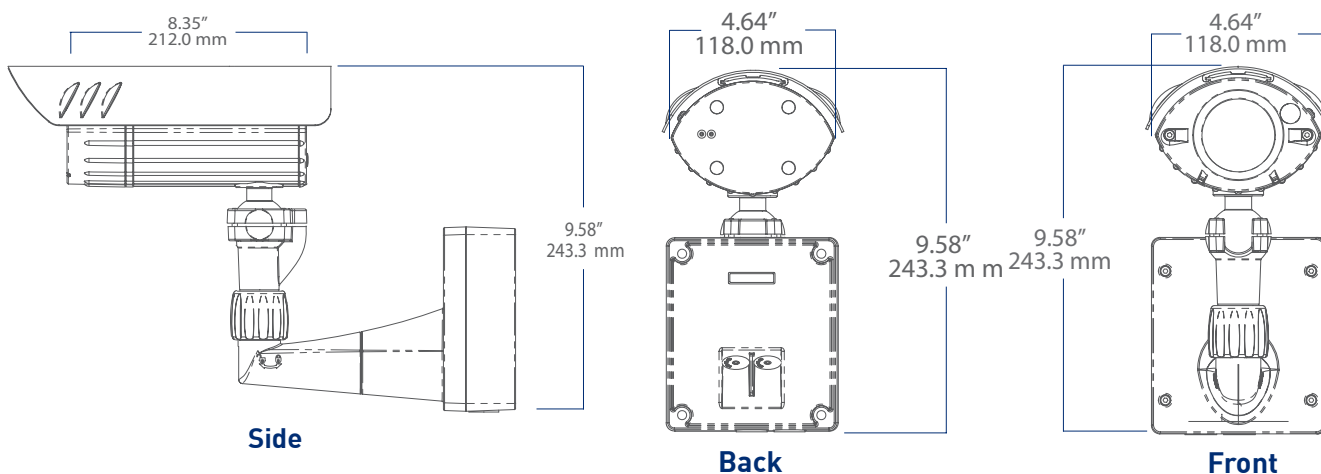
Controls and Connectors

Connectors:	Power PoE/Network: RJ-45 CAT 5. Physical I/O: 1 input, 1 output
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Environmental

Operating Conditions:	Temp: -22 to 122° F (-30 to 50° C)
Approvals and Ratings:	UL, cUL, FCC Class A, CE, RoHS 2; IP66, NEMA 4
Warranty:	3 years

Dimension Drawings



Models and Descriptions

Model	Max. Resolution	Max. Frame Rate (@ max. resolution)	Min. Illumination (without IR)	Field-of-View
IQ861WE-V6	HD 720P - 1280 x 720	30 fps	Color: 0.2 lux; BW: <0.05 lux	V6: 9° - 18°
IQ861WE-V17	HD 720P - 1280 x 720	30 fps	Color: 0.2 lux; BW: <0.05 lux	V17: 27° - 70°
IQ862WE-V6	HD 1080P - 1920 x 1080	30 fps	Color: 0.2 lux; BW: <0.05 lux	V6: 9° - 18°
IQ862WE-V17	HD 1080P - 1920 x 1080	30 fps	Color: 0.2 lux; BW: <0.05 lux	V17: 27° - 70°
IQ862WE-W2	HD 1080P - 1920 x 1080	30 fps	Color: 0.2 lux; BW: <0.05 lux	W2: 76° - 102°
IQ863WE-V6	3.1 MP - 2048 x 1536	20 fps	Color: 0.2 lux; BW: <0.05 lux	V6: 10° - 24°
IQ863WE-V17	3.1 MP - 2048 x 1536	20 fps	Color: 0.2 lux; BW: <0.05 lux	V17: 28° - 75°
IQ863WE-W2	3.1 MP - 2048 x 1536	20 fps	Color: 0.2 lux; BW: <0.05 lux	W2: 78° - 106°
IQ865NE-V6	5.0 MP - 2560 x 1920	10 fps	Color: 0.3 lux; BW: <0.05 lux	V6: 9° - 28°
IQ865NE-V17	5.0 MP - 2560 x 1920	10 fps	Color: 0.3 lux; BW: <0.05 lux	V17: 36° - 93°
IQ865NE-W2	5.0 MP - 2560 x 1920	10 fps	Color: 0.3 lux; BW: <0.05 lux	W2: 87° - 115°

N=Day/Night; I=Indoor; W=WDR; V=Vandal-Resistant; E=Exterior (Outdoor)