



True day/night removable IR filter

12MP/4K Outdoor IP Camera

This next generation 12MP Sentinel camera provides multiple, individually configured H.264 and simultaneous M-JPEG streams with support for 12 MP and 4K resolutions. The high-performance Sentinel provides the following benefits:

Superior Resolution: Offers 6 times the pixels available in a standard 1080p HD camera, capturing wider scenes and forensic detail from a greater distance.

Power at the Edge: Offers a dual-core processor to run computationally-intensive applications (recording, analytics, etc.) on the edge. **Manage bandwidth cost:** Using the camera's 4K multistream ability, a 1080p or lower resolution stream can be stored to the NVR while a high-resolution stream can be stored on-camera, reducing bandwidth demands of ultra-high definition video.

Easy to install and integrate: Wall, ceiling, parapet mounting options, rugged aluminum construction, heater and IP66 weather resilience allow the camera to be installed in the harshest of environments. An integrated back box provides ease of installation. At less than 8W power consumption, the Sentinel can be fully operational using only PoE.

Product at a Glance

- ▶ 12MP/4K resolution, 30 fps @ QFHD, 15 fps @ 4K/12MP
- ▶ Two lens options: 4.5-10mm or 9-40 mm
- ▶ Remote back-focus for sharp focusing
- ▶ H.264 Main Profile + M-JPEG compression
- ▶ USB storage
- ▶ Powerful Dual-Core processor
- ▶ True day/night removable IR filter
- ▶ Gigabit Ethernet, PoE, 12-24 VDC, 24 VAC
- ▶ Analog video; 2-way audio
- ▶ IP66/NEMA 4 outdoor enclosure

12MP SENTINEL CAMERA



SPECIFICATIONS

Video

Compression:	H.264; M-JPEG
H.264 Profile:	Main
Sensor:	1/2.3"; CS mount lens
JPEG Compression Quality Settings:	User configurable
Shutter Speed:	1/8000
Image Settings:	Saturation, contrast, brightness, sharpness
Exposure:	User configurable
White Balance:	Auto/programmable
Backlight Compensation:	Auto (BLC)
IR Range:	800 to 940 nm

Network

Supported Protocols:	TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP, DNS, ARP, ICMP, NTP, UPnP, ZeroConf, APIPA, CIFS, SNMP, UDP multicast, FTP, SMTP, Telnet
Password Protection:	Secure multi-level

Input/Output

Input Power:	PoE (802.3af Class 3); 24 VAC; 12-24 VDC
Power Consumption:	< 8 W, including heater
AC Lighting:	50 Hz/60 Hz, selectable
Network Interface:	RJ-45 10Base-T/100Base-TX/1000Base-T
Physical I/O:	1 input, 1 output

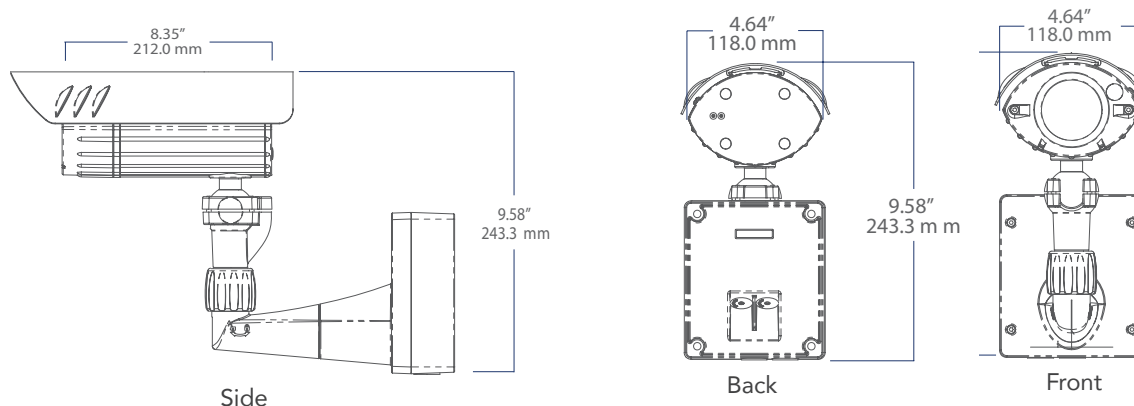
Features

Motion Detection:	Multi-zone; user configurable
Time Lapse Recording:	User configurable
Event Based Recording:	User configurable
Flip and Rotate:	180°, horizontal and vertical
Focus Assist:	Remote back focus with one-touch focus
Analytics Ready:	Yes
Utility Programs:	IQaccess, IQfinder, IQmanager
IQapps:	IQanalytics

Miscellaneous

Ingress Protection Rating:	IP66; NEMA 4
Approvals:	FCC A, CE, UL, cUL, RoHS 2
Temperature Range:	-22° F to 122° F (-30° C to 50° C)
Weight:	6.25 lb (2.84 kg)
Warranty:	3 years
Lens Options:	V18 (4.5-10 mm); FOV: 41° - 80° V19 (9-40 mm); FOV: 10° - 41°
Accessories:	IQ800-PMA: Pole Mount Adapter IQ800-JBC+C: Junction Adapter Box IQ800-JBC: Junction Box

Dimensional Drawings



Model Number	Max. Resolution	Max. Frame Rate	Min. Illumination	Compatible Lens
IQ8712NE-V18	4000x3000	QFHD (3840x2160)@30 fps 4K/2K (4000x2000)@15 fps 12MP (4000x3000)@15 fps	Color: 0.2 lux B/W: <0.05 lux	V18 (4.5-10 mm)
IQ8712NE-V19	4000x3000	QFHD (3840x2160)@30 fps 4K/2K (4000x2000)@15 fps 12MP (4000x3000)@15 fps	Color: 0.2 lux B/W: <0.05 lux	V19 (9-40 mm)