

# IQeye Sentinel

## Megapixel Outdoor IP Camera

### Features

- > Resolutions up to 5 MP
- > Remote Back-Focus for Sharp Focusing
- > H.264 Main Profile + MJPEG Compression
- > 60 fps @ HD720p, 30 fps @ 1080p, 10 fps @ 5 MP
- > 1, 2 & 3 MP WDR Models Available (100 dB)
- > True Day/Night Movable IR Filter
- > Power-Over-Ethernet, 12-24 VDC, 24 VAC
- > IP66 / NEMA 4 Outdoor Enclosure
- > ONVIF and PSIA Compliant
- > 3 Year Warranty

The Sentinel is a full featured, multi-megapixel H.264 Main Profile all-weather camera. With support for up to 5 MP resolutions, this next generation camera provides multiple, individually configured H.264 and simultaneous MJPEG streams. Designed with the installer in mind, innovative features drastically reduce installation costs and time:

- Remote back focus greatly reduces installation time using the One-Touch-Focus feature for sharp images, and allows 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, parapet 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.



### Specifications

#### Video

|  |   |
|--|---|
| <b>Compression</b>                       | H.264 and MJPEG   |
| <b>H.264 Profile</b>                     | Main  |
| <b>Sensor</b>                            | 1/3" CMOS , 1/2.5" CMOS for 5 MP                              |
| <b>JPEG Compression Quality Settings</b> | User Configurable   |
| <b>Shutter Speed</b>                     | Auto/Programmable/Fixed                                       |
| <b>Image Settings</b>                    | Saturation, Contrast, Brightness, Sharpness, Lightgrabber™ II |
| <b>Exposure</b>                          | User Configurable   |
| <b>White Balance</b>                     | Auto/Programmable   |
| <b>Backlight Compensation</b>            | Auto  |
| <b>IR Range</b>                          | 800 to 940 nm   |

#### Features

|                              |   |
|------------------------------|---|
| <b>Virtual Cameras</b>       | User Configurable Windows                           |
| <b>Motion Detection</b>      | User Configurable Windows                           |
| <b>Time Lapse Recording</b>  | User Configurable                                   |
| <b>Event Based Recording</b> | User Configurable                                   |
| <b>Flip and Rotate</b>       | 180, Horizontal, Vertical                           |
| <b>Focus Assist</b>          | Remote Back Focus with One-Touch-Focus              |
| <b>Analytics Ready</b>       | Yes   |
| <b>IQapps and Utilities</b>  | IQaccess, IQfinder, IQmanager, IQevent, IQanalytics |
| <b>System Integration</b>    | Agent Vi®<br>(Agent Vi SW Licence Required)         |

#### Network

|                            |   |
|----------------------------|---|
| <b>Supported Protocols</b> | TCP/IP, HTTP, HTTPS, DHCP, UDP, RTP, RTSP, DNS, ARP, ICMP, NTP, UPnP, ZeroConf, APIPA, CIFS, SNMP, UDP multicast, FTP, SMTP, Telnet |
| <b>Password Protection</b> | Secure Multi-level  |
| <b>Input/Output</b>        |   |
| <b>Input Power</b>         | Power over Ethernet 802.3af Class 3, 24 VAC, 12-24 VDC  |
| <b>Power Consumption</b>   | < 8W Including Heater   |
| <b>AC Lighting</b>         | 50 Hz/60 Hz Selectable  |
| <b>Network Interface</b>   | RJ45 10Base-T/100Base-TX  |
| <b>Physical I/O</b>        | 1 input, 1 output   |

#### Misc

|                                  |  |
|----------------------------------|--|
| <b>Ingress Protection Rating</b> | IP66, NEMA 4   |
| <b>Approvals</b>                 | FCC, CE, UL, cUL, RoHS 2   |
| <b>Temperature Range</b>         | -22°F to 122°F, -30°C to 50°C  |
| <b>Weight (grams)</b>            | 2839 g   |
| <b>Warranty</b>                  | 3 year   |
| <b>Lens Options</b>              | V6 Telephoto Lens 1/2" CS, 12-40 mm, F1.8, IR<br>V17 Wide Angle Lens 1/2.5" CS, 3.3-10mm, F1.4, IR<br>W2 Wide Angle Lens 1/2" CS, 1.8-3 mm, F1.4, IR |

#### Accessories

|            |                         |
|------------|-------------------------|
| IQ800-PMA  | Pole Mount Adaptor      |
| IQ800-JBC  | Junction Box Cover      |
| IQ800-JB+C | Junction Box with Cover |

### Product Configurations

| Part Number      | Max Resolution        | Max Framerate | Min Illumination               | Compatible Lens |
|------------------|-----------------------|---------------|--------------------------------|-----------------|
| IQ861NE, IQ861WE | HD720p – 1280 x 720   | 60 fps        | Color: 0.1 lux, B/W: <0.05 lux | V6, V17         |
| IQ862NE, IQ862WE | HD1080p – 1920 x 1080 | 30 fps        | Color: 0.2 lux, B/W: <0.05 lux | V6, V17, W2     |
| IQ863NE          | 3.6MP – 2560 x 1440   | 16 fps        | Color: 0.3 lux, B/W: <0.05 lux | V6, V17, W2     |
|                  | 3.1 MP – 2048 x 1536  | 20 fps        | Color: 0.3 lux, B/W: <0.05 lux | V6, V17, W2     |
| IQ863WE          | 3.1 MP – 2048 x 1536  | 20 fps        | Color: 0.2 lux, B/W: <0.05 lux | V6, V17, W2     |
| IQ865NE          | 5 MP – 2592 x 1944    | 10 fps        | Color: 0.3 lux, B/W: <0.05 lux | V6, V17, W2     |

**N** - Day/Night      **W** - WDR (Day/Night)      **E** - Exterior

### Dimensions

