

Evolution 180



180° Outdoor Camera

The next step in panoramic situational awareness

6MP Dewarped Panoramic+ View with 12MP Sensor

- Seamless panoramic surveillance with no blind spots
- 12MP high-resolution sensor
- True Day / Night with IR cut filter
- Up to 30 fps at 2.0 MP
- PoE or 12 VDC powered
- 3-year warranty

Advanced features

- Built-in 3D dewarped panoramic video
- Industry leading Panoramic+ views
- Oncam Angle Compensation Technology (ACT)
- Scene Offset Angle Control
- Configurable privacy regions
- Polygonal video motion detection regions
- Local alarm digital input and output
- Audio microphone input
- Local MicroSD card slot for event recording



EVO-180-WED

Robust and attractive design

- Quick, easy & secure Installation
- Versatile enclosure enables wall and pendant mounting
- Integrated adjustable mounting angle: 0-45°
- White powder coated die-cast aluminium enclosure
- IP66, IP67, IP68, IP69K, IK10+ rated



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| Model | EVO-180 Outdoor (White) |
|----------------------------|---|
| General | |
| Lens Field of View | 187° horizontal, 74° vertical (Panoramic Stream) 187° horizontal, 165° vertical (Fisheye Stream) |
| Image Sensor | 4072 H x 3046 V, 12.4 MP 1/2.3 in. Sony CMOS Sensor |
| Lens | 187° / F2.4 |
| Day/Night IR Cut Filter | Automatic, Manual, External and Alarm Control |
| Minimum Illumination | 0.1 lux |
| Frame Rate | Up to 30 fps Up to 14 fps max resolution Panoramic Stream |
| Video Motion Detection | 8 configurable polygon regions |
| External Alarm | 1x contact input, 1x contact output |
| External IR Filter Control | 1x contact input |
| Audio Connections | Audio in through 12-pin I/O connector, RTSP using G711 codec and ONVIF Profile S |
| Audio Input Level | Mic input level range, approximately 5 mV to 50 mV |
| Advanced Event Management | Configurable triggers: motion regions, external contact input, network down and HTTP GET. Configurable actions: external contact output, SMTP frame upload, local recording, LED, IR filter controls |
| Networking | TCP/IP, HTTP, DHCP, DNS, NTP, SMTP, RTSP, UPnP and WS-Discovery |
| Privacy | 10 configurable privacy regions |
| Local Recording | Event based with configurable pre and post recording. |
| SD Card | Built-in MicroSD card slot. Supports cards up to 256GB capacity. Speed class 10 or higher. |
| White Balance Range | Auto White Balance (Range = approx. 2500 K ~ 8000 K) |

| | |
|---------------------------|---|
| Video | |
| Panoramic Stream 1 & 2 | 180° 3D Dewarped Panoramic Stream H.264 at: Up to 14 fps: 5.90 MP (3840x1536), 4.52 MP (3360x1344), 2.62 MP (2560x1024), 1.47 MP (1920x768). Up to 30 fps: 0.66 MP (1280x512), 0.26 MP (800x320). |
| Fisheye Stream 1 | 360° Fisheye Stream H.264 at: Up to 11 fps: 10.1 MP (3360 x 3000). Up to 14 fps: 6.45 MP (2688 x 2400), 4.48 MP (2240 x 2000). Up to 30 fps: 2.20 MP (1568 x 1400) |
| Fisheye Stream 2 | 360° Fisheye Stream H.264 at up to 30 fps: 0.40 MP (672x600) |
| Fisheye Stream 3 | 360° Fisheye Stream MJPEG at up to 30 fps 0.40 MP (672x600) |
| VCam Stream 1, 2, 3, 4 | Up to 4 independent onboard 3D Dewarped Vcams H264 at: Up to 30 fps 1.00 MP (1280x720), 0.31 MP (640x480). VCam Streams 1 & 2 are replaced by Panoramic Streams 1 & 2, if those are enabled. |
| Multi-Stream Limitations | Not all stream combinations are permitted. Fisheye Stream 2 cannot be enabled when using Panoramic or VCam Streams. Enabling multiple streams simultaneously may reduce frame rates. |
| Image Control | Settings include brightness / contrast / saturation / exposure compensation, compression quality and wall / ceiling / table mount Manipulation of wall mount and scene angles to ensure a level horizon |
| Image Enhancement | Electronic WDR 60 dB |
| VMS / NVR Support | ONVIF Profile S Conformant – Contact Oncam Sales for an up-to-date VMS compatibility list |
| Web Browser Compatibility | Internet Explorer 11 with VLC plug-in required for full functionality. |
| Unicast | Up to 20 simultaneous users depending on the resolution settings |
| Multicast | Supported for H.264 main fisheye camera stream |
| Bit Rate Control | Options include Constant Bit Rate Control and Fixed Quality Control |

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| Electrical | |
|-----------------------------|--|
| Ports | RJ45 1000Base-TX PoE 12-pin I/O connector: 12 VDC input (optional), Audio in, Alarm in & out, External IR Filter Control in |
| Power Input | Power over Ethernet (PoE), IEEE standard 802.3af 12 VDC, 1.0 A (min) LPS, NEC Class 2 power supply. |
| Power Consumption (maximum) | 7.20 W (PoE 48 VDC) / 6.96 W (DC 12 VDC) |

| Mechanical | |
|------------------------|---|
| Camera Mount | Surface and Pendant |
| Weight | 2.60 kg (5.73 lbs) |
| Dimensions (L x W x H) | 220 x 160 x 138 mm (8.7 x 6.5 x 5.4in.) |
| Housing Material | Aluminum and Polymer |

| Environmental | |
|-----------------------------|---|
| Operating Temperature Range | -40°C to 55°C (-40 °F to +131°F) |
| Ingress & Impact Protection | IP66, IP67, IP68 (2m 30min), IP69K, IK10+ |

| Certifications | |
|----------------|---|
| Approvals | IEEE802.3af, CE, AS/NZS CISPR 32:2015, CISPR 24:2010 (Class A) FCC, ICES-003, UL 60950-1(ed.2), CAN/CSA C22.2 No. 60950-1-07, RoHS, EN50130-4:2011, REACH |

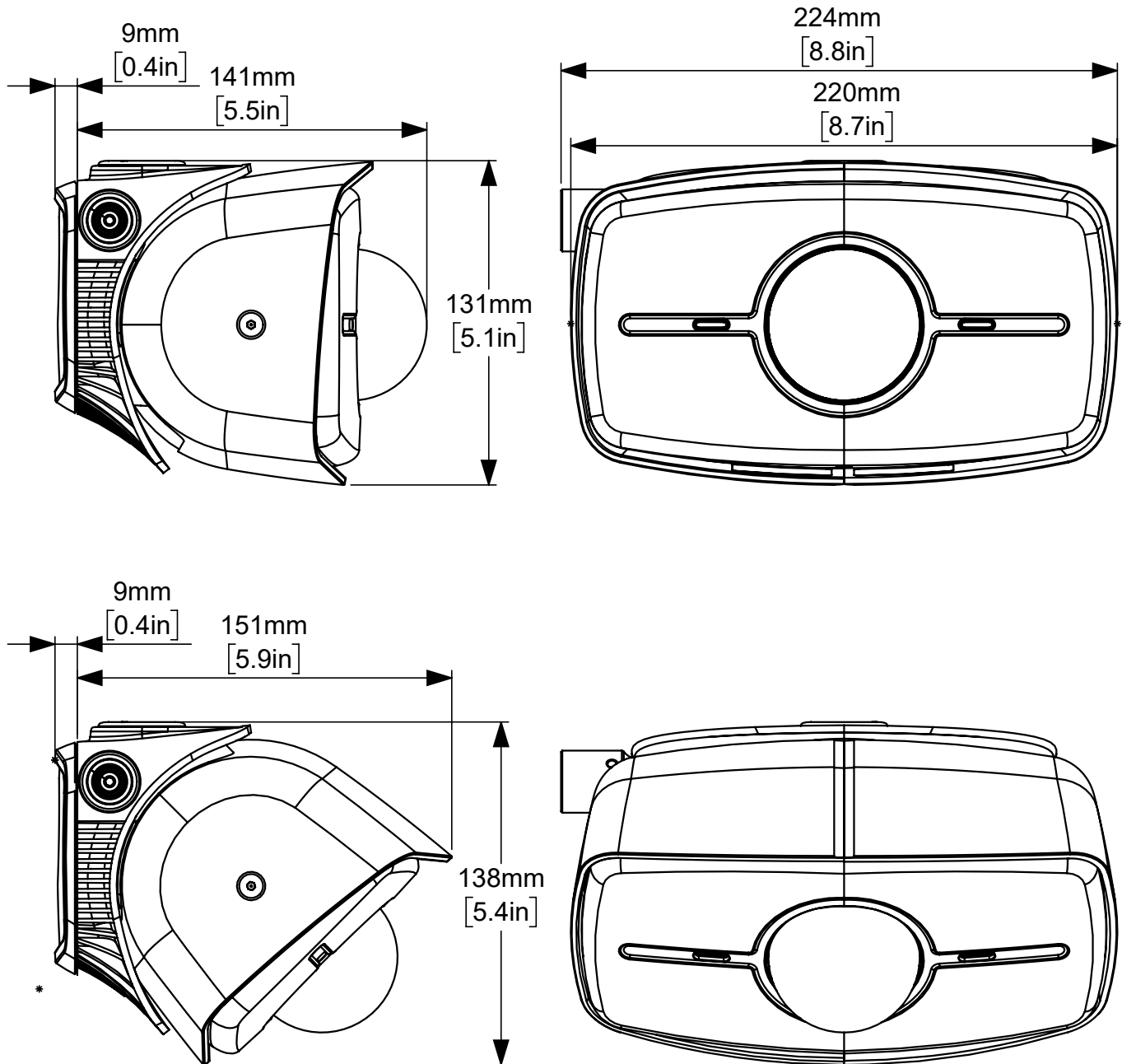
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The next step in total situational awareness



Dimensions



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