

Evolution 180

180° Indoor Camera



The next step in panoramic situational awareness

12MP Sensor with 6MP Dewarped Panoramic+ View

- 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
- 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
- External microphone input
- Local MicroSD card slot for event recording



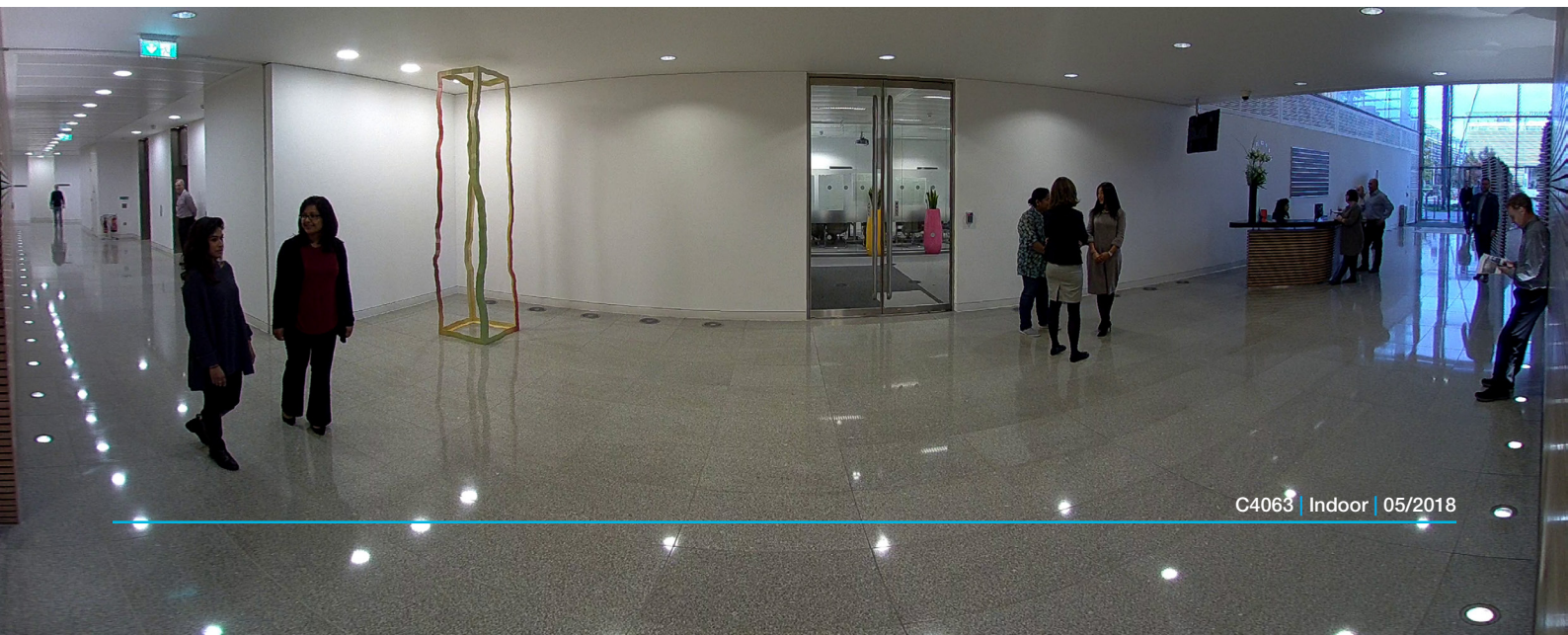
EVO-180-WJD-P



EVO-180-WID-P

Compact and Versatile design

- Multiple interior mount options
- Clean and simple design
- Quick and easy installation
- Convenient wall-mounting enclosure
- Mounting boxes included for multiple mounting angles: 0°, 25° and 45°
- Mounting boxes allow for conduit pendant mounting
- Black or white models available



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Model	EVO-180-WID-P (White)	EVO-180-WJD-P (Black)
General		
Lens Field of View	187° horizontal, 74° vertical (Panoramic Stream) 187° horizontal, 162° 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 at 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 (ONVIF Profile G not supported)	
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	0.55 kg (1.21 lbs)
Dimensions (L x W x H)	163 x 57 x 94mm (6.4 x 2.2 x 3.7in.)
Housing Material	Aluminum and Polymer

Environmental

Operating Temperature Range	0 to + 40°C (-32 to +104°F)
Operating Humidity	Up to 95% non-condensing

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, EN 50130-4:2011, RoHS, REACH
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Supplied accessories

0° Mounting Box	25° Mounting Box	45° Mounting Box
		

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Dimensions

