Evolution 12

360° **Indoor** Camera

The next step in 360° total situational

12 MP high-resolution sensor

- Constant 360° surveillance with no blind spots
- No moving parts, no maintenance and silent operation
- High quality images in low-light conditions
- 12 fps at 9.6 MP max resolution and up to 30 fps at 2.0 MP
- 0.1 lux minimum illumination
- PoE or 12 VDC powered
- 3-years warranty

ONVIF® | G S

EVO-12-NID - White

Advanced features

- Local 3D dewarping providing 4x VCams at 1 MP max each
- Local SD card slot for event recording
- Configurable privacy regions
- Polygonal video motion detection regions
- Local alarm digital input and output
- Audio microphone input

Extensive VMS/NVR platform integration with Oncam SDK

- Market leading Oncam Grandeye 3D dewarping software
- Full live and retrospective dewarping available
- Camera features are accessible through VMS platforms
- Simultaneous multiple video streams
- 10x digital zoom capability through client-side dewarping
- H.264 / MJPEG streaming with multiple quality levels
- Optimizes bandwidth and storage utilization
- Intuitive web-based interface for viewing and configuration
- Supported by major VMS / NVR systems
- ONVIF profile S and G conformant

Multiple interior mount options

- Quick and easy installation
- Clean and simple design
- Convenient surface-mounting enclosure
- Range of accessories provide multiple mounting possibilities including ceiling, wall and pendant
- Enclosure available in white

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ONCAM

Model	EVO-12-NID (White)
General	
Lens Field of View	180º Horizontal, 180º Vertical
Image Sensor	4072 H x 3046 V, 12.4 MP (approximately), 1/2.3 in. Sony CMOS Sensor
Lens	185° / F2.0
Minimum Illumination	0.1 lux = 50 IRE F/2.0
Frame Rate	30 fps for 2MP and ¼ MP; 14 fps for 6, and 4 MP; 12 fps for 9.6MP resolution
Video Motion Detection	8 configurable regions
External Input	1x contact input
External Output	1x contact output
Security	Configurable password protection, 802.1x
Advanced Event Management	Triggered by motion, external input or HTTP event, result configurable, external output, FTP/SMTP upload, Local recording
Networking	TCP/IP, HTTP, DHCP, DNS, NTP, FTP, SMTP, SNMP and RSTP
Privacy	10 configurable privacy regions
SD Card	Built-in SD card slot. Supports cards up to 128 GB capacity. Speed class 10 or higher required. SD Card recording and ONVIF G
Audio Connections	Audio In through 3.5 mm jack, RTSP using G.711 codec and ONVIF S
Analog Video Out	Test port for production, not available in normal operation
White Balance Range	Auto White Balance (Range = approx. 2500 K ~ 8000 K)

Video	
Video Stream 1 Codec	H.264 in 9.6 MP, 6 MP, 4 MP, 2 MP
Video Stream 1 Compression Level	Multi-levels of compression and frame rate adjustment
Video Stream 1 Pixel Resolution	Fisheyes at: 9.6 MP (3200 x 3000), 6 MP (2528 x 2376), 4 MP (2080 x 1960), 2 MP (1472 x 1384)
Video Stream 2 Codec	H.264 in ¼ MP
Video Stream 2 Compression Level	Multi-levels of compression and frame rate adjustment
Video Stream 2 Pixel Resolution	Fisheye at ¼ MP (544 x 512)
Video Stream 3 Codec	MJPEG in ¼ MP
Video Stream 3 Compression Level	Multi-levels of compression and frame rate adjustment
Video Stream 3 Pixel Resolution	Fisheye at ¼ MP (544 x 512)
* VCam Stream 4, 5, 6, 7 Codec	H.264
* VCam Stream 4, 5, 6, 7 Compression Level	Multi-levels of compression and frame rate adjustment
* VCam Stream 4, 5, 6, 7 Pixel Resolution	4x independent onboard dewarped VCams at 1 MP (1280 x 720), ¼ MP (640 x 480)
Maximum Frame Rate	30 fps (CGI)
Image Control	Settings: brightness / contrast / saturation / exposure compensation, compression quality and wall / ceiling / table mount
Image Enhancement	Electronic WDR 60dB
PTZ Functionality	10x zoom with Oncam 3D client-side dewarping software
VMS / NVR Support	Contact Oncam Sales for the supported VMS / NVR list
Web Browser Compatibility	Internet Explorer 9, Edge 25, Firefox 23 and Chrome 29 or above. Plug-in required for full functionality
Unicast	Up to 20 simultaneous users depending on the resolution settings
Multicast	Supported for all H.264 camera streams
Bit Rate Control	Options include Constant Bit Rate Control and Constant Quality Control

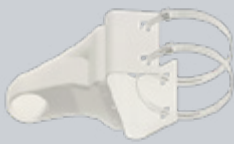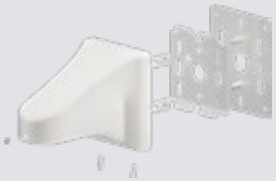* Video Stream 2 and VCams cannot be used
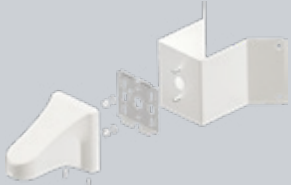
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Electrical	
Ports	RJ45 for 1000Base-TX 2.1 mm DC Input jack 6-pin 1.5 mm Phoenix for external I/O BNC for test video output
Network Cable Type	CAT5 or better for 1000Base-TX
Power Input	12 VDC, 1.0 A (min) LPS or NEC Class 2 power supply or Power over Ethernet (PoE), IEEE standard 802.3af
Power Consumption (maximum)	8.4 W (PoE 48 VDC) / 7.32 W (DC 12 VDC)

Mechanical	
Camera Mount	Surface mount
Weight	0.72 kg (1.59 lbs)
Dimensions (L x W x H)	179 x 160 x 70 mm (7.1 x 6.3 x 2.8 in.)
Housing Material	Polymer

Environmental	
Operating Temperature Range	0 to +40° C (-32 to +104° F)
Operating Humidity	Up to 98% non-condensing
Ingress Protection	IP40

Certifications	
Approvals	IEEE802.3af, CE, AS/NZS CISPR 32:2015/COR1:2016, CISPR 24:2010+A1:2015 (Class A), FCC, ICES-003 Issue 6-2016 ANSI C63.4-2014, KCC, CU, RCM, SASO UL 60950-1, IEC 60950-1(ed.2), CAN/CSA C22.2 No. 60950-1-07, RoHS, REACH

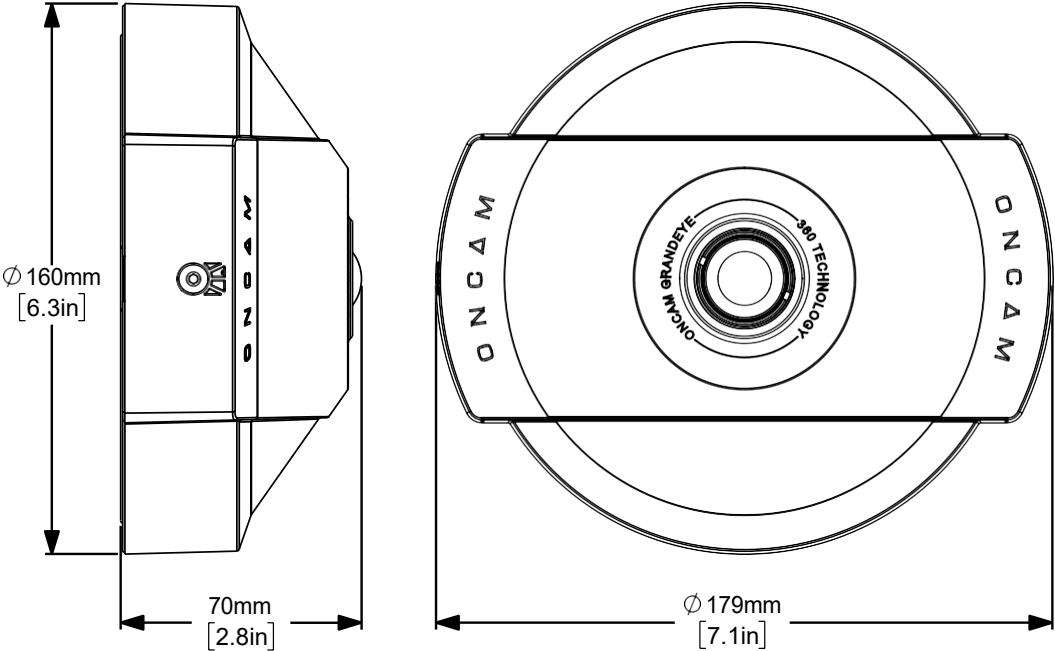| Accessories	Part Number	Description
	OBE-01-IWA (White)	Indoor Pendant Mount
	OBE-03-OWA (White)	Pole Mount Bracket (Use with Pendant Mount)
	OBE-04-OWA (White)	Wall Mount Bracket (Use with Pendant Mount)
	OBE-05-OWA (White)	Corner Mount Bracket (Use with Pendant Mount)

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Dimensions

∅ 160mm
[6.3in]

70mm
[2.8in]

∅ 179mm
[7.1in]

EVO-12-N#D-6_DS_2020.11