Evolution 05 Mini

360° **Indoor** Camera - **Recessed**

The next step in 360° total situational awareness

5MP sensor and no moving parts

- Constant 360° surveillance, no blind spots
- Ultra-low profile, ideal for discreet mounting
- No moving parts; no maintenance; silent operation
- PoE powered with integrated RJ45
- Up to 30fps video stream at 1MP and ¼MP
- 0.2 lux minimum illumination; enhanced WDR
- 3-year warranty

Advanced event management

- microSD card slot for local recording and advanced event management
- Supports microSD cards of up to 128GB
- Up to 10 configurable privacy regions
- Up to 16 polygonal Video Motion Detection regions

A truly discreet installation

- Super-fast installation
- Suitable for installation in Air Handling / Plenum Spaces
- Professional light weight enclosure
- Pleasing aesthetics in white or black finish
- Convenient surface-mounting
- Can be spray-painted to match environment
- Ø108mm (4¼") drilling hole
- Can fit up to 25mm (1") panel thickness

Extensive NVR/VMS platform integration; Full live and retrospective dewarping

- Market leading Oncam 3D dewarping software
- Camera features are accessible via VMS platforms
- Simultaneous multiple video streams; with resolutions from 528x480 to 2144x1944
- 50x digital zoom capability through client-side dewarping
- H.264/MJPEG streaming with multiple quality levels
- Optimises bandwidth and storage utilisation
- Configurable password protection
- Intuitive web-based interface for viewing and configuration
- Supports major VMS / NVR / HDVR systems

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Model	EVO-05-LRD	EVO-05-LSD
	White	**Black**
General		
Field of View	360°	
Image Sensor	5 megapixel; Array Format (Active) 2592H x 1944V = 5,038,848 pixels; 1/2.5-inch CMOS Sensor	
Angle of View	180° hemisphere	
Lens	185° 1.6mm / F2.0	
Minimum Illumination	0.2 lux = 50 IRE F/2.0 (6500K)	
Frame Rate	30fps for 1MP and ¼MP resolution 15fps for 2MP resolution 10fps for 4MP full resolution	
Video Motion Detection	16 polygonal regions; configurable response; adjustable characteristics	
Security	Configurable password protection	
Advanced Event Management	Triggered by motion, HTTP event, Result configurable; FTP/SMTP upload, Local recording (with firmware update)	
Networking	TCP/IP, HTTP, DHCP, DNS, NTP, FTP, SMTP, RTSP, uPNP	
Privacy Regions	10 configurable privacy regions	
microSD Card	Built-in microSD card slot - supports up to 128GB card	
Signal-to-Noise Ratio	45dB	
White Balance Range	Auto White Balance (Range = approx. 2500K~8000K)	
Electrical		
Connection	Flying lead - RJ45 male plug	
Network Cable Type	CAT5 or better for 100Base-TX	
Power Input	UL/NRTL listed LPS 802.3af standard 48Vdc PoE injector	
Power Consumption	4.3W	
Video		
Video Stream 1 & 2 Codec's	H.264 High, Level 5 / MJPEG (both streams configurable)	
Video Stream 1 & 2 Compression Level	Multi-levels of compression adjustment	
Video Stream 1 & 2 Pixel Resolution	Fisheyes at: ¼ MegaPixel (528x480), 1MP (1056x960) , 2MP (1488x1360), 4MP (2144x1944)	
Video Stream 3 Codec	MJPEG	
Video Stream 3	Multi-levels of compression and frame rate adjustment (max 15 fps)	
Video Stream 3 Pixel Resolution	Fisheye at: ¼ Megapixel (528x480)	
Image Control	Settings: brightness/contrast/saturation/exposure compensation; compression quality; wall/ceiling/table mount	
Image Enhancement	Electronic WDR 60dB	
PTZ Functionality	8x zoom with Oncam 3D client-side dewarping software	
VMS / NVR / HDVR supported	Most major VMS / VMS / HDVR systems (contact Oncam Sales for latest list)	
Web Browser Compatibility	Internet Explorer IE9 (with ActiveX plug-in, supplied); Firefox 23; Chrome 29; using Quicktime, minimum version 7	
Number of Unicast Users Supported	Up to 20 simultaneous users depending on the resolutions settings	
Bit Rate Control	Selectable options: constant bit rate control; capped bit rate control; constant quality control	
Minimum system requirements		
Processor and Memory	Computer with 1Ghz 32-bit (x86) or 64-bit (x64) processor and with minimum of 512 MB	
Operating System	Windows Vista 32-bit with service pack 2 (SP2) of higher / 64-bit with service pack (SP2) of higher	
Hard Drive Space	Windows Vista 32-bit = minimum 70MB / Windows Vista 64-bit = minimum 120MB	
Display	Super VGA (800 x 600) of higher-resolution monitor with 256 colours	
Peripherals	100Mbits or greater network connection, mouse or compatible pointing device, keyboard	

Evolution 05 Mini
360° **Indoor** Camera - **Panel Mount**

The next step in 360° total situational awareness

Mechanical	
Camera Mount	Indoor Surface mount
Weight	0.52kg (1.21lbs)
Enclosure	ABS Thermoplastic

Environmental	
Operating Temperature Range	0 to +40°C (-32 to +104°F)
Storage Temperature Range	0 to +40°C (-32 to +104°F)
Operating Humidity	Up to 98% (In accordance with BS EN 60068-2-30 Test Db variant 1 using test methodology BS EN 50155)
Ingress Protection rating	IP40-rated – Indoor use only

Certifications / Patents	
Patents	15 patents; 15 patents pending; 20 licensed patents
Approvals	IEEE802.3af Class 2; EMC: (CISPR Class A) FCC; CE; ICES-003; Safety: UL60950; EN50155/EN45545; UL2043

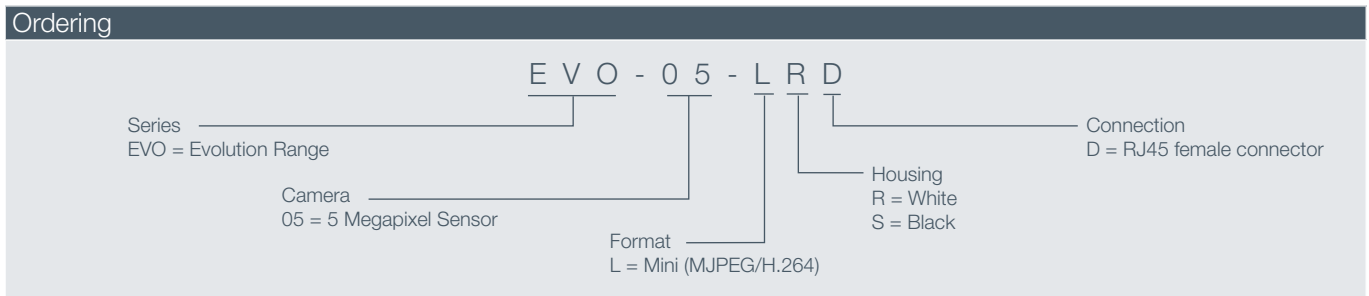| Other Related Products	
Hardware/Software Solutions	Oncam SDK integration pack, Evolution 5MP Camera Range, Evolution Accessories, IP Configuration Tool, 360-degree Viewer, OnVu360 Mobile Apps (iOS, Android)

Frame Rate, Resolution & Storage Needs

H.264					
4MP *	2144 x 1944	10fps	Constant bit rate settings	5 Mbits/s	24hrs = 54GB **
2MP	1488 x 1360	15fps	Constant bit rate settings	3 Mbits/s	24hrs = 40GB **
1MP	1056 x 960	15fps	Constant bit rate settings	1.5 Mbits/s	24hrs = 16GB **
1/4MP	528 x 480	15fps	Constant bit rate settings	0.8 Mbits/s	24hrs = 8GB **
MJPEG					
4MP	2144 x 1944	10fps	Average file size: 640KB	Average bit rate: 52.4 Mbits/s	24hrs = 552.96GB **
2MP	1488 x 1360	15fps	Average file size: 350KB	Average bit rate: 43.0 Mbits/s	24hrs = 453.60GB **
1MP	1056 x 960	15fps	Average file size: 188KB	Average bit rate: 23.1 Mbits/s	24hrs = 243.65GB **
1/4MP	528 x 480	15fps	Average file size: 62KB	Average bit rate: 7.6 Mbits/s	24hrs = 80.35GB **

* Factory / Default settings
** Based on the same scene, with constant average light conditions

Notes:
Values for frame rate, size and bandwidth are approximate and are influenced by compression, quality settings, number of simultaneous viewers and the amount of detail as well as any movement in a scene.
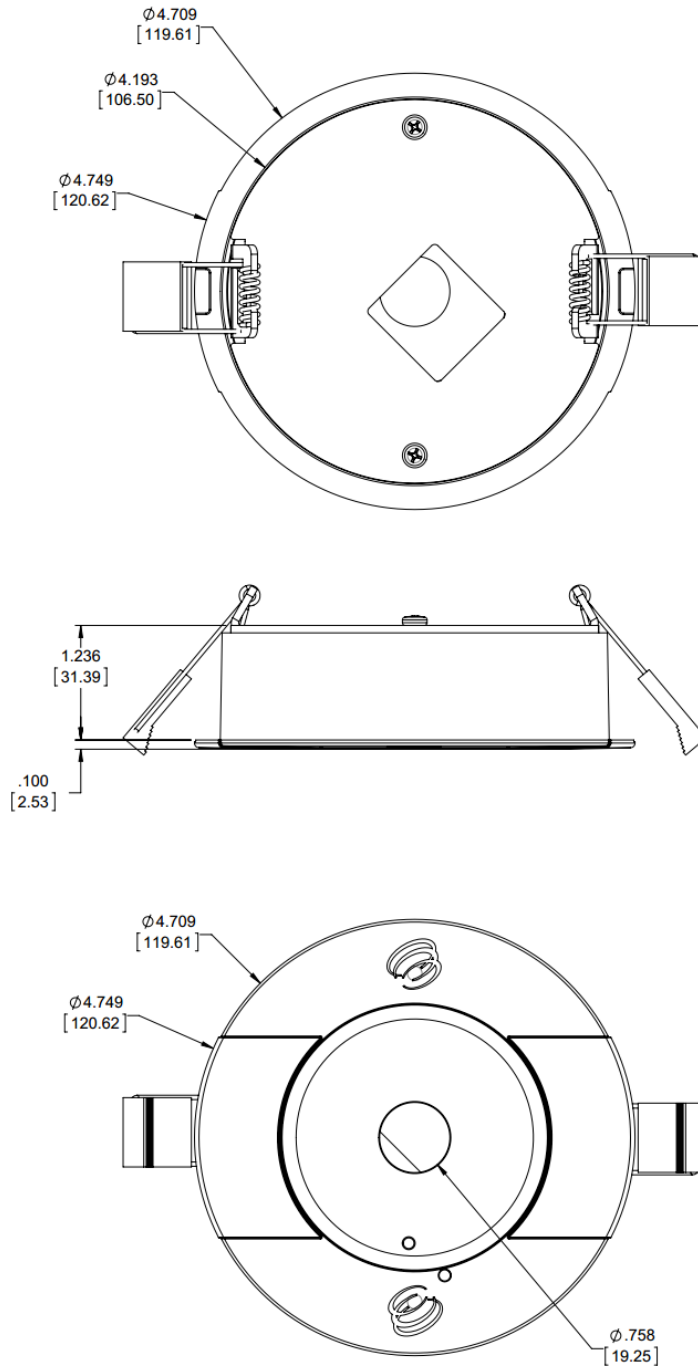
Ordering

E V O - 0 5 - L R D

Series
EVO = Evolution Range

Camera
05 = 5 Megapixel Sensor

Format
L = Mini (MJPEG/H.264)

Housing
R = White
S = Black

Connection
D = RJ45 female connector

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Dimensions

Ø4.709 [119.61]
Ø4.193 [106.50]
Ø4.749 [120.62]

1.236 [31.39]
.100 [2.53]

Ø4.709 [119.61]
Ø4.749 [120.62]
Ø.758 [19.25]

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