



# Oncam IPW

Surface-mounting 360° IP Camera



## A 360° IP camera with a 5-mega-pixel sensor and no moving parts

- Constant 360° surveillance; no blind spots
- Silent operation as there are no moving parts
- No moving parts means no regular maintenance due to wear and tear

## Compact, low profile installation

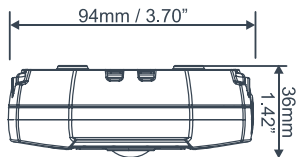
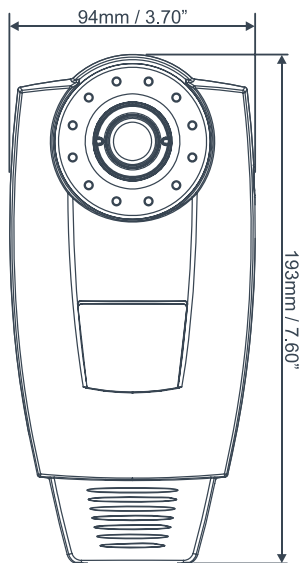
- Fully supports IEEE802.3af Class 2 Power over Ethernet (PoE)
- Easy installation
- Pleasing aesthetics
- Minimum illumination 0.5 lux, providing the most clarity in low light among peers
- Convenient surface-mounting enclosure
- Suitable for ceiling, wall or table mounted applications

## Four dewarped PTZ virtual cameras (VCams)

- Uses powerful, patented on-camera image processing
- Independent pan, tilt and zoom (PTZ) operation with each VCam, as well as panorama and fisheye images; ideal for live viewing
- Motion detection within polygonal-defined areas of interest
- Up to four targets or events tracked simultaneously on one camera
- 10 polygonal, configurable privacy regions
- 10x digital zoom
- Retrospective scene analysis with vPTZ when used with a compatible recorder

## Multiple video streams with choice of resolutions

- Optimizes bandwidth and storage utilization
- Multiview video streams
- Video streams in multiple resolutions from QQVGA (160x120) to 2144x1944
- 10 fps typical
- MJPEG stream with multiple quality levels
- Multilevel password protection
- Intuitive web-based interface for viewing and configuration
- Highly configurable Event Management with notifications via Email, FTP and external output
- Integrates NVRs directly to the camera by utilizing Oncam Global's separately provided SDK
- Supports major VMS systems



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## ONCAM IPW TECHNICAL SPECIFICATIONS

### Model

GE-IP-002	360° surface-mounting IP camera with a 5-megapixel sensor and no moving parts
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### General

Field of view	360°
Image sensor	5 megapixel
Angle of view	180° hemisphere
Minimum illumination	0.5 lux
Frame rate	10 fps typical
Zoom	10x digital
Video analytics	10 polygonal regions of interest; motion detect; motion track; configurable response; multitarget simultaneous tracking; adjustable tracking characteristics
vPTZ	Immediate response
Presets	10 preset views
Image pipeline	12-bit
External input	1 contact input
External output	1 momentary or transparent
Security	Multilevel access with configurable passwords
Users	20 simultaneous users
Event management	Triggered by motion, external input or HTTP event. Result configurable; PTZ tracking; external output; FTP/SMTP upload
Networking	HTTP, FTP, SMTP, DHCP, DNS, NTP
Privacy	10 polygonal, configurable privacy regions

### Electrical

Ports	RJ45 for 100Base-TX; 2.1mm DC Input jack; 3-pin 1.5mm Phoenix for external I/O
Network cable type	CAT5 or better for 100Base-TX
Power input	5V DC rated @ at least 1A
Power consumption	5W typical

### Mechanical

Camera mount	Camera surface-mounts. 4 screws and wall plugs supplied to mount to surface.
Weight	0.36kg (0.8lbs)
Enclosure	Surface-mounting enclosure with status indicator LEDs
Indicators	4 LEDs on front panel
MTBF	Predicted mean time between failure: 103,906 hours

### Environmental

Operating temperature range	0 to +40°C (32 to 104°F)
Storage temperature	-40 to +70°C (-40 to 158°F)
Ingress protection rating	N/A

### Video

Video codec	Motion JPEG
Compression level	95 levels of compression adjustment
Video stream resolution	Virtual cameras at: QQVGA; QVGA; VGA; XGA Panoramas at: 640x208; 1024 x 336 Fisheyes at: VGA; QVGA; 1024x1024; 2144x1944
Sensor control	Auto/manual exposure; auto/manual night mode; auto white balance
Image control	Per VCam brightness/contrast/saturation; compression quality; wall/ceiling/table camera mount
VMS supported	Most major VMS systems
Web browser compatibility	Internet Explorer (with ActiveX plug-in, supplied); Firefox

### Certifications/Ratings/Patents/Products

Patents	15 patents; 15 patents pending; 20 licensed patents
Approvals	IEEE802.3af Class 2; EMC (CISPR Class A) FCC; CE; ICES-003; UL60950
Other related products	Conceal-mounting IP camera (IPC); Thin-mounting IP camera (IPT); Halocam-R 3-megapixel analog camera; Halocorder high-resolution 360° recorder

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