Halocam IPW
Surface-mounting 360° IP Camera

A 360° IP camera with a 5-megapixel sensor and no moving parts

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

Truly covert installation with the lowest profile available

- 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
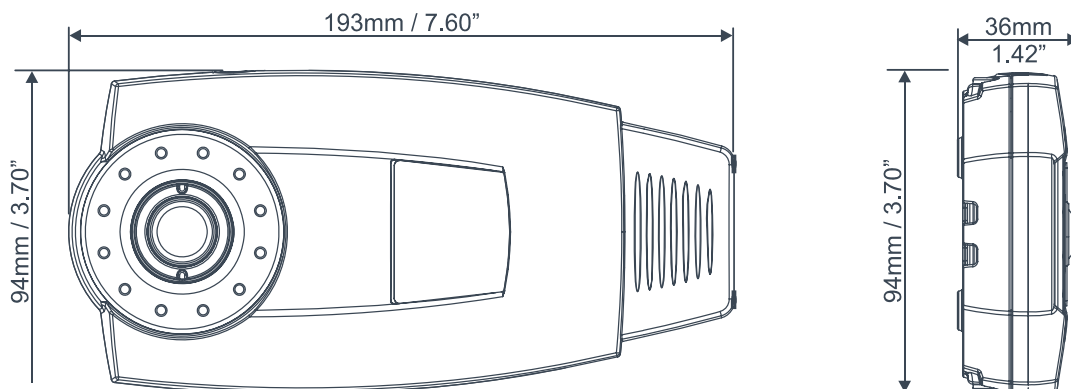- Suitable for ceiling, wall or table mounted applications

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
- Motion detection within polygonal-defined areas of interest
- Up to four targets or events tracked simultaneously on one camera
- 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 utilisation
- Multiview video streams
- Video streams in multiple resolutions from QQVGA (160x120) to 2144x1944
- 4fps typical and up to 10fps for virtual cameras
- 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 utilising Oncam Grandeye's separately provided SDK
- Supports major VMS systems

193mm / 7.60"

94mm / 3.70"

36mm
1.42"

94mm / 3.70"

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HALOCAM IPW TECHNICAL SPECIFICATIONS	
Model	**GE-IPP-002**
General	
Field of view	360°
Image sensor	5 megapixel
Angle of view	180° hemisphere
Minimum illumination	0.5 lux
Frame rate	4 fps typical and up to 10fps for virtual cameras
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	PoE or 5V DC rated @ at least 1A
Power consumption	5W typical
Mechanical	
Camera mount	4 x M4.5 (No8) screw, supplied, to secure base of camera to surface
Weight	1.2kg (2.64lbs)
Enclosure	All-aluminum dome enclosure with polycarbonate dome cover
MTBF	Predicted mean time between failure: 103,906 hours
Environmental	
Operating temperature range	-40 to +70°C (-40 to 158°F) in accordance witl1 85 EN 50155"
Storage temperature range	-40 to +70°C (-40 to +158°F)
Ingress protection rating	Indoor use only
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; 1424x1424; 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; Safety: UL60950
Other related products	IPZoom 360° camera and software; Conceal-mounting IP camera (IPC); IP67-rated Minidome IP camera (IPM); Thin Conceal-mounting IP camera (IPT); Halocam-R 3-megapixel analogue camera; Halocorder high-resolution 360 recorder