

# Halocam IPC

Conceal-mounting 360° IP Camera



ONCAM  
GRANDEYE

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
- Adjustable conceal-mounting enclosure
- Visible element: 56mm/2.2" diameter
- Suitable for ceiling, wall or table mounted applications

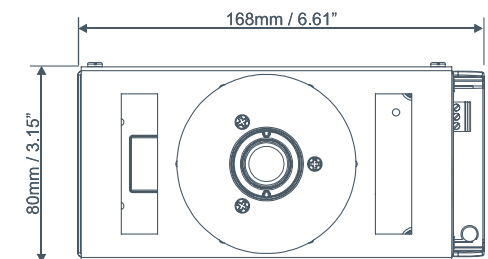
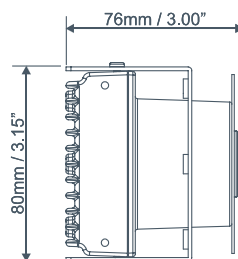
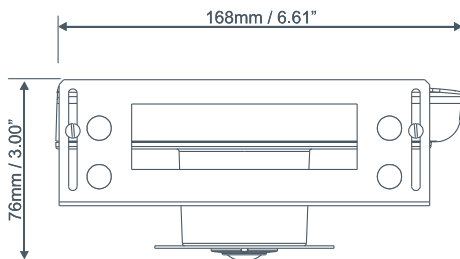
Dewarped PTZ virtual cameras (VCams)

- Uses powerful, patented on-camera image processing
- Independent pan, tilt and zoom (PTZ) operation with each VCam, as well as panorama and fisheye images; as well as panorama and fisheye images available in the Pro-Series
- 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



Oncam Grandeye | 115 Hammersmith Road, London W14 0QH, UK | [www.oncamgrandeye.com](http://www.oncamgrandeye.com) | t: +44 (0) 207 371 6640 | e: [sales@oncamgrandeye.com](mailto:sales@oncamgrandeye.com)

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## Conceal-mounting 360° IP Camera



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HALOCAM IPC TECHNICAL SPECIFICATION			
Model	GE-IP-001	GE-IPP-001	GE-IPS-001
<b>General</b>			
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 detection	10 polygonal regions of interest; motion detect; motion track; configurable response; multitarget simultaneous tracking; adjustable tracking characteristics	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	N/A	1 contact input	1 contact input
External Output	N/A	1 momentary or transparent	1 momentary or transparent
Security	Multilevel access with configurable passwords		
Users	20 simultaneous users		
Event management	Triggered by motion	Triggered by motion, external input or HTTP event. Result configurable; PTZ tracking; external output; FTP/SFTP upload	Triggered by motion, external input or HTTP event. Result configurable; PTZ tracking; external output; FTP/SFTP upload
Networking	HTTP, DHCP, DNS, NTP	HTTP, FTP, SMTP, DHCP, DNS, NTP	HTTP, FTP, SMTP, DHCP, DNS, NTP
Privacy	N/A	10 polygonal, configurable privacy regions	10 polygonal, configurable privacy regions
<b>Electrical</b>			
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		
<b>Mechanical</b>			
Camera mount	Camera ceiling-mounts, requiring 56mm/2.2" diameter circular hole		
Weight	0.64kg (1.41lbs)		
Enclosure	All-metal, adjustable to suit a range of panel thicknesses (up to 35mm/1.3")		
MTBF	Predicted mean time between failure: 103,906 hours		
<b>Environmental</b>			
Operating temperature range	-40 to +70°C (-40 to 158°F) in accordance with BS EN 50155		
Storage temperature	-40 to +70°C (-40 to 158°F)		
Ingress protection rating	N/A (Maxidome IP67-rated Outdoor Enclosure available for Halocam IPC. Other manufacturers' domes can also be used)		
<b>Video</b>			
Video Codec	Motion JPEG		Motion JPEG
Compression level	95 levels of compression adjustment		
Video stream resolution	Virtual cameras at: VGA; XGA Panoramas at: 640x208; 1024x336 Fisheyes at: VGA; QVGA; 1024x1024; 1424x1424; 2144x1944	Virtual cameras at: QQVGA; QVGA; VGA; XGA Panoramas at: 640x208; 1024x336 Fisheyes at: VGA; QVGA; 1024x1024; 1424x1424; 2144x1944	Virtual cameras at: QQVGA; QVGA; VGA; XGA Panoramas at: 640x208; 1024x336 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		
<b>Certifications/Ratings/Patents/Products</b>			
Patents	15 patents; 15 patents pending; 20 licensed patents		
Approvals	IEEEE802.3af; EMC: (CISPR Class A) FCC; CE; ICES-003; UL60950		
Other related products	Surface-mount IP camera (IPW); Thin Conceal-mount IP camera (IPT); Minidome IP camera (IPM); Halocam-R 3-megapixel analogue camera; Halocorder high-resolution 360 recorder		

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