Halocam-R
3-Megapixel 360° Analogue Camera

A 360° analogue camera with a 3-megapixel sensor and no moving parts

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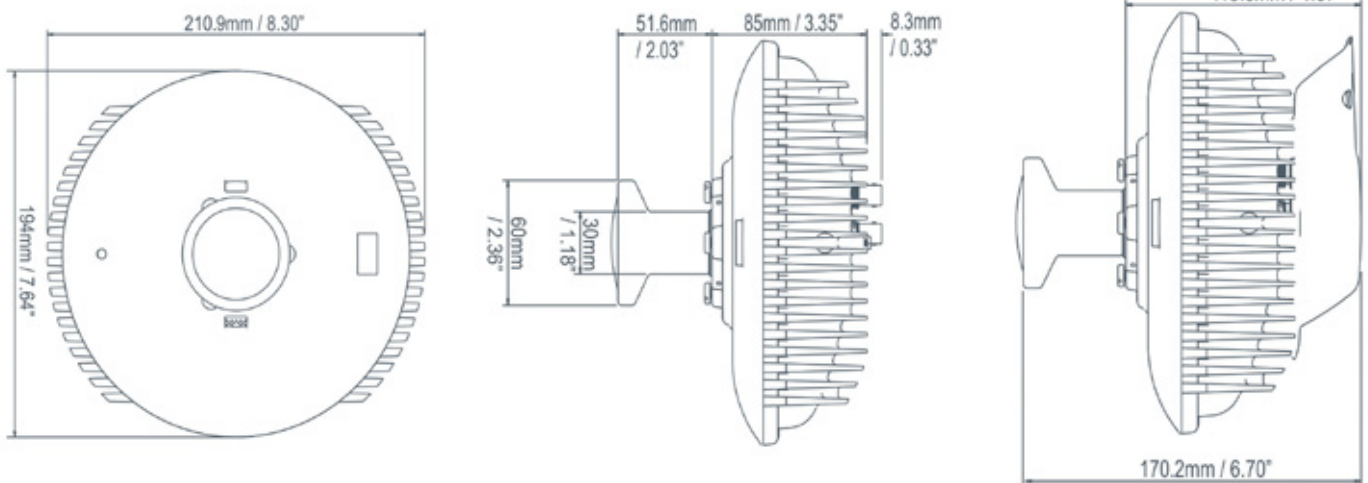- No moving parts means no regular maintenance due to wear and tear

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 and change-of-object detection within defined areas of interest
- Up to four targets or events tracked simultaneously on one camera
- 75 pixel-perfect privacy regions
- 7x optical-equivalent zoom
- 12fps live view
- Supports formats: PAL, NTSC
- Retrospective scene analysis with vPTZ when used with the Halocorder, Oncam Grandeye's high-resolution recording solution

Discreet Installation

- Fully supports EMC; (CISPR Class A) FCC; UL2044 (2043 with conduit kit)
- Easy installation
- Minimum illumination 1 lux, providing the most clarity in low light among peers
- Designed for discreet mounting behind false ceilings
- Suitable for ceiling-mounted applications and for surface or wall-mounted applications with wall-mounting bracket

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HALOCAM -R TECHNICAL SPECIFICATIONS	
Model	GE-A-001
General	
Field of view	360°
Image sensor	3 megapixel
Angle of view	170° hemisphere
Sensor responsiveness	1.0V/lux-sec (550nm)
Frame rate	~12 fps
Zoom	7x optical equivalent
Motion detection/tracking	Variable sensitivity, 75 regions of interest, 4-target simultaneous tracking
Musuem mode	Detects object removal, addition and change
vPTZ	Immediate response, controllable via industry-standard RS485 protocols including Pelco-P/D, protocol autosensing
Presets	128
Tours	4 preset tours (64 steps each), 4 learn tours (3 minutes each)
Virtual cameras	4 fully indendent full resolution including thumbnail
External input	4 contact input N/O or N/V
External Output	1 momentary or transparent
Security	Password-protected menu system, encrypted digital video
Event management	Triggered by motion or external input. Result configurable: PTZ tracking; external output; Halocorder recording
Sectors	75
Privacy	75 pixel-perfect privacy regions
Electrical	
Video connection	2x analogue 75 Ohm BNC coax
External I/O	Spring-loaded terminals. Output: 30V (max), ½ Amp (max), 10W (max)
Power input	2-pin Phoenix-style connector. 11.5-16VDC; cable 18-14 AWG
Power consumption	20W typical
Mechanical	
Camera mount	Camera mounts behind ceiling panel, requiring 100mm/3.94" diameter hole. Optional surface/wall-mounting bracket available.
Weight	1.5kg (3.3lbs)
Enclosure	All-metal, suitable for mounting behind false ceiling panels
Environmental	
Operating temperature range	0 to +40°C (32 to 104°F)
Storage temperature range	-10 to +60°C (14 to 140°F)
Video	
Video system	NTSC and PAL
Certifications/Ratings/Patents/Products	
Patents	15 patents; 15 patents pending; 20 licensed patents
Approvals	EMC: (CISPR Class A) FCC; CE; UL2044 (2043 with conduit kit)
Other related products	Nose cone for Halocam-R; Wall/surface-mounting bracket for Halocam-R; 12V power supply for Halocam-R; Halocorder high-resolution 360° recorder