



Grandeye Halocam-R

3 Megapixel 360° Analogue Camera

Product Features

- 3 megapixel image sensor
- 360° field of view
- Four de-warped ePTZ virtual cameras
- 7x optical-equivalent zoom
- Retrospective scene analysis with ePTZ*
- On-board video analytics
- Multi-target tracking
- 2 independent analogue outputs
- Multi-view screen formats
- 12fps live view
- Supports Pelco-D/P and other standard control protocols
- Minimum illumination 1 lux
- Supports PAL and NTSC
- Designed for discreet mounting behind false ceilings



**When used with Halocorder*

The Grandeye Halocam-R is a 360° analogue camera with a 3 megapixel sensor and no moving parts. The unit is designed for applications where discreet installation behind false ceilings is a requirement with easy integration into standard CCTV systems.

The Halocam-R provides total situational awareness over a 360° field of view with the ability to generate a number of views on two standard analogue outputs. Grandeye's powerful, patented in-camera processing provides 4 de-warped virtual cameras (VCAMs) which offer independent pan, tilt and zoom operation, as well as panoramas and fisheye images.

The Halocam-R is based on award-winning technology and includes in-camera video analytics, which enable motion detection and tracking, with up to four targets being tracked simultaneously using VCAMs.

When used in conjunction with the Halocorder, the camera offers retrospective pan, tilt and zoom operation during playback.

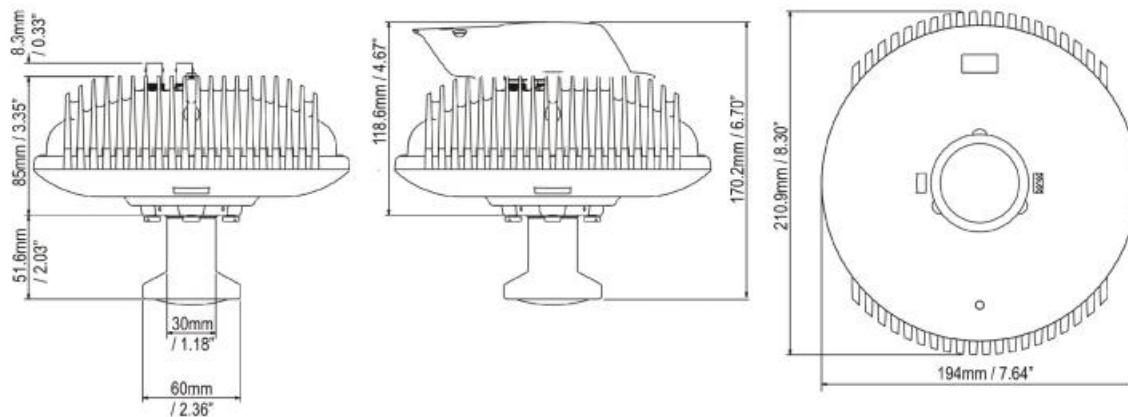
Grandeye Ltd, 6 Huxley Road, Guildford GU2 7RE UK
Tel +44 (0)1483 302312 Fax +44 (0)1483 300141 Email: salesinfo@grandeye.com Web: www.grandeye.com

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TECHNICAL SPECIFICATIONS

Model	
GV003	360° concealed-mounting analogue camera
General	
Image sensor	3 megapixel (2048x1536)
Angle of view	180° circle (full hemisphere)
Sensor responsivity	1.0V/lux-sec (550nm)
Frame rate	~12fps
Zoom	7x optical equivalent
Motion detection/tracking	Variable sensitivity, 75 regions of interest, 4-target simultaneous tracking
Museum Mode	Detects object removal, addition and change
ePTZ	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 independent full resolution including thumbnail
Image pipeline	IMTERA™ 3-D visual image pipeline
External input	4 contact input N/O or N/C
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 zones	75, pixel-perfect
Electrical	
Video connection	2 x 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
Mechanical	
Camera mount	Camera mounts behind ceiling panel, requiring 3.94"/100mm diameter hole. Optional surface/wall mounting bracket available.
Weight	1.5kg (3.3lb)
Enclosure	All-metal, suitable for mounting behind false ceiling panels
Environmental	
Operating temperature range	0-40°C (32-104°F)
Storage temperature	-10 to +60°C (14 to 140°F)
Video	
Video system	NTSC and PAL
Certifications/Ratings/Patents	
Patents	10 patents; 15 pending patents; 20 licensed patents
Approvals	EMC:(CISPR Class A) FCC; CE; UL2044 (2043 with conduit kit)



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