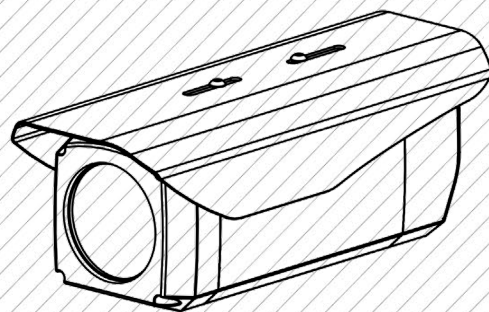




EVO2 BULLET

UNCOOLED THERMAL FIXED LENS BULLET CAMERAS

13mm
35mm
55mm



The EVO2 range utilises the very latest in both thermal core and lens technology, providing advanced surveillance capabilities in the most extreme conditions. Available with fixed FOV lenses, the EVO2 Bullet range also benefits from a choice of three thermal sensor resolutions; **384 x 288 (12µm)**, **640 x 512 (12µm)** and **XGA 1024 x 768 (12µm)**.

The EVO2 Bullet range offers integrated tripwire and motion detection video analytics and utilises an uncooled LWIR thermal sensor with a range of fixed lenses (up to 55mm).

With PoE, easy installation and flexible mounting, the EVO2 Bullet cameras provide a cost-effective solution for perimeter and security surveillance requirements.

KEY FEATURES

- Thermal detection* ranges up to 1.7km (human) and 5.2km (vehicle)
- Wide range of resolutions up to 1024 x 768 (XGA).
- Fixed uncooled LWIR lenses up to 55mm.
- Pixel pitch down to 12µm (improves range by up to 20%).
- Video analytics as standard (motion detection and tripwire).
- Power over Ethernet (PoE).
- Easy to install, compact and lightweight housings.
- Highly ruggedised for extreme and marine environments (rated to IP67).

*Johnsons Criteria, (Human at 1.8m x 0.5m, vehicle at 2.3m², Detection at 2 pixels, Recognition at 8 pixels and Identification at 13 pixels. 50% probability subject to environmental conditions). Based on HTB-EB08-G.

Specifications may be subject to change without notice.
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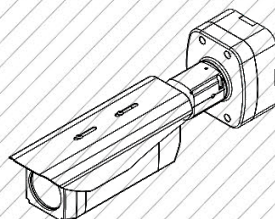
UK Manufacturer



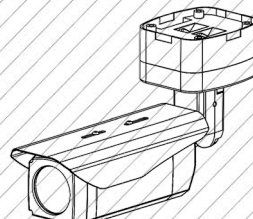


EVO2 BULLET

UNCOOLED THERMAL FIXED LENS BULLET CAMERAS



* Typical Wall Mounted Scenario



* Typical Ceiling Mounted Scenario

THERMAL IMAGER – 384 x 288, 12µm PIXEL PITCH

Part Number	HTB-EA20-G	HTB-EA07-G	HTB-EA04-G
Focal Length	13mm	35mm	55mm
Horizontal Field of View	20.3°	7.5°	4.8°
F Number		F1.0	
Focus		Fixed	

THERMAL IMAGER – 640 x 512, 12µm PIXEL PITCH

Part Number	HTB-EB33-G	HTB-EB12-G	HTB-EB08-G
Focal Length	13mm	35mm	55mm
Horizontal Field of View	33.9°	12.6°	8.0°
F Number		F1.0	
Focus		Fixed	

THERMAL IMAGER – 1024 x 768, 12µm PIXEL PITCH

Part Number	HTB-EC35-G	HTB-EC20-G	HTB-EC12-G
Focal Length	19mm	35mm	55mm
Horizontal Field of View	35.8°	20.1°	12.8°
F Number		F1.0	
Focus		Fixed	

THERMAL SENSOR SPECIFICATION

Sensitivity	≤50mK at 25°C, F1.0		
Detector Type	Uncooled VOx Microbolometer		
Spectral Band	7.5 to 14µm (LWIR / 8 to 14µm)		
Frequency	50Hz (384 x 288 and 640 x 512 imagers only)		30Hz (1024 x 786 imager only)
Digital Zoom	1x to 8x (0.1 steps) (384 x 288 and 640 x 512 imagers only)		1x to 4x (0.1 steps) (1024 x 786 imager only)
Image Stabilisation	Yes, electronic (cost option)		
Image Processing	Nun-Uniform Correction (NUC), noise filtering, polarity control, Digital Detail Enhancement (DDE)		
Image Control	Polarity: White hot / black hot (18x colour palettes). Orientation: Invert / revert		

ELECTRICAL AND MECHANICAL

Video Output	IP , ONVIF, RTSP		
IP Rating	IP67		
Temperature Range	-30°C (-22°F) Up to 65°C (149°F) (-40°C with optional heater)		
Power	802.3af (802.3at Type 1) "PoE"		
Housing Material and Finish	Hard anodized aluminium, grey powder marine grade paint finish (other colours are available upon request)		
Housing Model	Bullet (ceiling/wall mounting bracket included)		
Colour	Grey		
Weight	Typically 1.3kg, 1.1lb		
Dimensions (mm) (Typical)	L339 x W100 x H116 (excluding mount). L426 x W129 x H227 (including mount in ceiling scenario) L492 x W129 x H150 (including mount in wall scenario)		

OPTIONS

Thermal Imager	1280 x 1024 (HD) option available upon request
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PART CODES

HTB-EA20-G	EVO2 Thermal IP bullet camera, PoE, with a 13mm, F1.0 thermal lens and an array format of 384x288, 12µm, 50Hz, grey colour
HTB-EA07-G	EVO2 Thermal IP bullet camera, PoE, with a 35mm, F1.0 thermal lens and an array format of 384x288, 12µm, 50Hz, grey colour
HTB-EA04-G	EVO2 Thermal IP bullet camera, PoE, with a 55mm, F1.0 thermal lens and an array format of 384x288, 12µm, 50Hz, grey colour
HTB-EB33-G	EVO2 Thermal IP bullet camera, PoE, with a 13mm, F1.0 thermal lens and an array format of 640x512, 12µm, 50Hz, grey colour
HTB-EB12-G	EVO2 Thermal IP bullet camera, PoE, with a 35mm, F1.0 thermal lens and an array format of 640x512, 12µm, 50Hz, grey colour
HTB-EB08-G	EVO2 Thermal IP bullet camera, PoE, with a 55mm, F1.0 thermal lens and an array format of 640x512, 12µm, 50Hz, grey colour
HTB-EC35-G	EVO2 Thermal IP bullet camera, PoE, with a 19mm, F1.0 thermal lens and an array format of 1024x768, 12µm, 30Hz, grey colour
HTB-EC20-G	EVO2 Thermal IP bullet camera, PoE, with a 35mm, F1.0 thermal lens and an array format of 1024x768, 12µm, 30Hz, grey colour
HTB-EC12-G	EVO2 Thermal IP bullet camera, PoE, with a 55mm, F1.0 thermal lens and an array format of 1024x768, 12µm, 30Hz, grey colour

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