

GV-EBD4813 AI 4MP H.265 5x Zoom Super Low Lux WDR Pro IR Eyeball Dome IP

Camera



- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- 1/3" progressive scan super low lux CMOS sensor
- Triple streams from H.265, H.264 or MJPEG
- Wide Dynamic Range Pro (WDR Pro)
- Min. illumination at 0.002 lux
- Up to 30 fps at 2688 x 1520
- Intelligent IR
- Day and night function (with removable IR-cut filter)
- Motorized lens for remote focus/zoom adjustment
- IR distance up to 40 m (130 ft)
- Built-in microphone
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I) for local storage
- 3-axis mechanism (pan / tilt / rotate)
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- ONVIF (Profile G, S, T) conformant

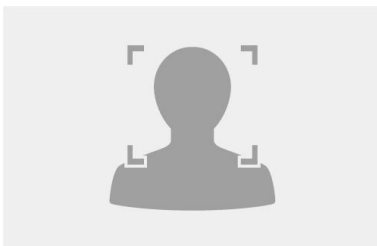
Introduction

GV-EBD4813 is an outdoor, network camera equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. The camera adheres to IK10 and IP67 standards, and can be powered through PoE.

Empowered by deep learning algorithms, AI technology distinguishes human and vehicles from other moving objects. Integrated with GeoVision Video Management Software (VMS), it supports AI perimeter protection, real time alert, events playback and more.

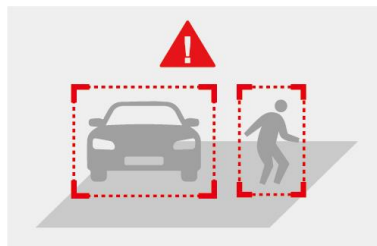
Deep Learning Function

Face Detection



AI Perimeter Protection

(Intrusion, Crossing Line
Entering Area, Leaving Area)



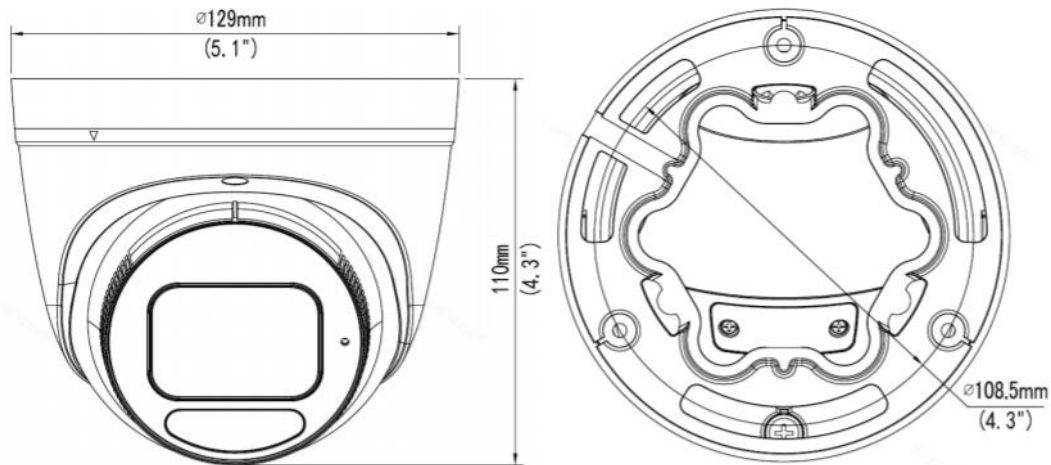
AI Event Search

(VMS V18.3 or later)



Note: The integration of AI events of the camera to GV-VMS is coming soon.

Dimensions



Specifications

Camera		
Image Sensor		1/3" progressive scan super low lux CMOS
Picture Elements		2688 (H) x 1520 (V)
Minimum Illumination	Color	0.002 Lux (F1.2, AGC ON)
	IR ON	0 Lux
Shutter Speed		Automatic / Manual (1 ~ 1/100000 sec)
White Balance		Automatic, Manual
Gain Control		Automatic, Manual
S/N Ratio		56 dB
WDR		WDR Pro
Dynamic Range		120 dB
Lens		
Megapixel		4 MP
Day / Night		Yes (with removable IR-cut filter)
Lens Type		Motorized varifocal lens
Focal Length		2.7 ~ 13.5 mm
Maximum Aperture		F/1.2
Mount		Ø 12 mm
Horizontal FOV		98°~31°
Operation	Focus	Auto / Manual
	Zoom	5x Optical Zoom
	Iris	Fixed
IR LED Quantity		2 IR LEDs
Max. IR Distance		40 m (130 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Triple streams from H.265, H.264 or MJPEG
Frame Rate		30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x 1296 (60 / 50 Hz) *The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).
Video Analytics		Motion Detection, Tampering Alarm, Audio Detection. *Tampering alarm and Audio detection are only accessible through the camera's Web interface, which can be used to trigger alerts such as e-mail and FTP
Image Setting		Brightness, Contrast, Saturation, Sharpness, Flicker-less, 3D Noise Reduction, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format)
Audio Compression		G.711
Audio Support		One-way Audio
Face Detection		
Environment		100 lux
Detectable face angle	Tilt (Up/Down)	≤ 10°
	Swing (Left/Right)	≤ 30°

Max. number of faces	Up to 40	
Min. face image pixel requirement	80 pixels	
Deep Learning Function		
AI Analytics	Intrusion, Crossing Line, Entering Area, Face Detection, Leaving Area (Human & Vehicle classification), People Flow Counting, Crowd Density Monitoring	
Video Resolution		
Main Stream	2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720	
Sub Stream	1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 640 x 480, 352 x 288	
Third Stream (Closed by Default)	720 x 576, 704 x 288, 640 x 360, 352 x 288	
Network		
Interface	10/100 Ethernet	
Protocol	802.1x, ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T)	
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	0° ~ 75°
	Rotate	0° ~ 360°
Connectors	Power	DC Jack (DC 12V, 1.25A), PoE
	Ethernet	RJ-45
	Audio	1 In (built-in microphone)
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
General		
Environment Temperature	Start-up	-30°C ~ 60°C (-22°F ~ 140°F)
	Operation	
Humidity	0% ~ 95% (no condensation)	
Power Source	12V DC / PoE (IEEE802.3af)	
Max. Power Consumption	7.0W	
Dimensions	Ø 129 x 110 mm (Ø 5.1" x 4.3")	
Weight	0.69 kg (1.52 lb)	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, RoHS	
Web Interface		
Installation Management	Web-based configuration	
Maintenance	Firmware upgrade through Web Browser or GV-IP Device Utility	
Access from Web Browser	Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Defog, Digital Zoom, Text Overlay, Image Masking	
Language	Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese	
Applications		
Software Supported	GV-VMS (V17.4.2 / V18.2.1), GV-DVR / NVR (V8.9.1), GV-Control Center (V3.8.0), GV-Recording Server / Video Gateway (V2.0.0), GV-Edge Recording Manager Win version (V2.0.0), GV-Redundant / Failover Server (V1.2.0), GV-Mobile Server (V1.5.1)	
Smart Device Access	GV-Eye for iOS and Android	
Live Viewing	Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App	









Note:

1. Patch files are required for some supported software.
2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
3. Specifications are subject to change without notice.

Packing List

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|----------------------------|--------------------------|
| 1. GV-EBD4813 Eyeball Dome | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Download Guide |
| 3. Screw kit | |

Accessories

Model No.	Name		Details
GV-Mount107(must be used with GV-Mount212P)	Pendant Bracket		Dimensions: Ø 120 x 334 mm (Ø 4.72" x 13.15") Weight: 0.74 kg (1.63 lb)
GV-Mount211P	Wall Mount and Junction Box		Dimensions: Ø 233 x 126 x 126 mm (Ø 9.2" x 5" x 5") Weight: 1 kg (2.2 lb)
GV-Mount212P	Wall Box Mount		Dimensions: Ø 126 x 36 mm (Ø 5.0" x 1.4") Weight: 0.22 kg (0.48 lb)
GV-Mount300-2	Convex Corner Mount		Dimensions: 137 x 233 x 160 mm (5.4" x 9.17" x 6.3") Weight: 1.65 kg (3.64 lb)
GV-Mount310-2	Concave Corner Mount		Dimensions: 111.2 x 369.9 x 210 mm (2.6" x 11.4" x 6.6") Weight: 1.65 kg (3.64 lb)
GV-Mount420 (must be used with GV-Mount211P)	Pole Mount Bracket		Dimensions: Ø 120 x 120 x 53.4 mm (Ø 4.7" x 4.7" x 2.1") Weight: 0.45 kg (0.99 lb) Steel Strap Diameter: Ø 67 ~ 127 mm (Ø 2.6" ~ 5")
GV-Mount704 (must be used with GV-Mount107)	Extension Tube		Dimensions: Ø 3.5 x 10 or 20 or 30 or 50 cm (Ø 1.38" x 3.9" or 7.9" or 11.8" or 19.7") Weight: 225 g or 360 g or 500 g or 780 g (0.5 lb or 0.79 lb or 1.1 lb or 1.72 lb)
GV-PA191	Power over Ethernet (PoE) Adapter		The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-POE Switch			The GV-POE Switch is designed to provide power along with network connection for IP devices. The GV-POE Switch is available in various models with different numbers and types of ports.
Power Adapter			Contact our sales representatives for the countries and areas supported.