

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 microSD 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, M) conformant

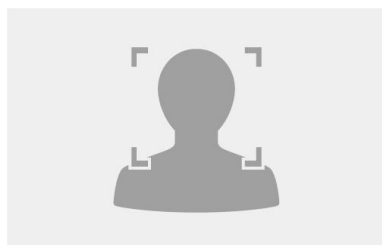
Introduction

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.

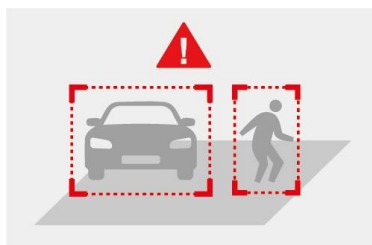
Deep Learning Function

Face Detection

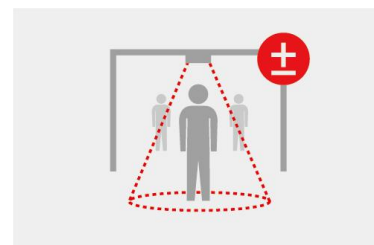


AI Perimeter Protection

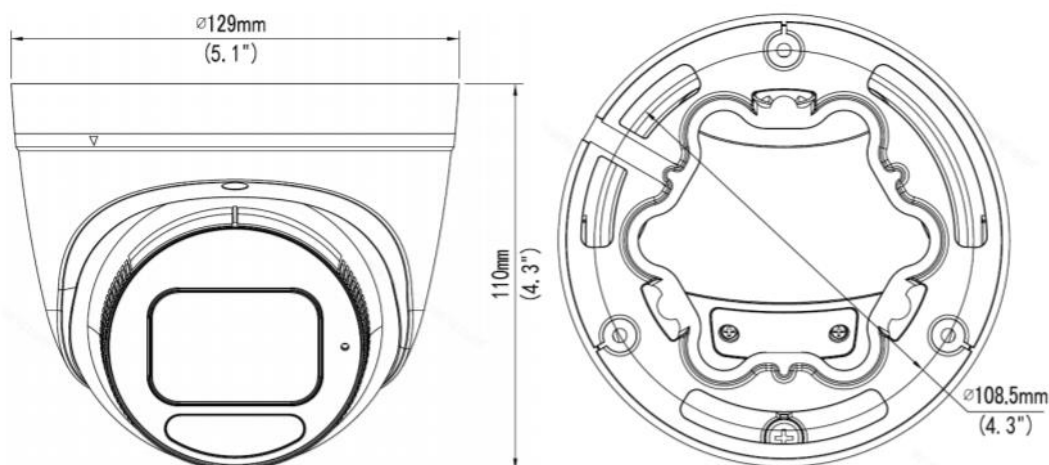
(Intrusion, Crossing Line
Entering Area, Leaving Area)



People Flow Counting



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)			
DORI		Detect	Observe	Recognize	Identify
Lens	2.7 mm	60.8 m (199.5 ft)	24.3 m (79.7 ft)	12.2 m (40 ft)	6.1 m (20 ft)
	13.5 mm	303.8 m (996.7 ft)	121.5 m (398.6 ft)	60.8 m (199.5 ft)	30.4 m (99.7 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).			
Maximum throughput		40 Mbps			
Maximum stream *When the total bitrate is within the maximum throughput		20			
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, 640 x 360 (Default), 640 x 480
Third Stream (Closed by Default)		640 x 360, 352 x 288
Network		
Interface		10/100 Ethernet
Protocol		802.1X (including EAP-TLS), ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, Qos, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T, M)
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	microSD 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
Certification		CE, FCC, RoHS, UL compliant
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), 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 125 x 125 mm (Ø 9.2" x 4.9" x 4.9") 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	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-PA301	Gigabit PoE Adapter		GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.
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.		