

GV-EBD4712 4MP H.265 4.3x Super Low Lux WDR Pro IR Eyeball Dome IP

Camera



- 1/3" progressive scan super low lux CMOS sensor
- Triple streams from H.265, H.264 or MJPEG
- Min. illumination at 0.003 lux
- Up to 30 fps at 2688 x 1520
- Intelligent IR
- Day and night function (with removable IR-cut filter)
- Wide Dynamic Range Pro (WDR Pro)
- Motorized varifocal lens for remote focus/zoom adjustment
- IR distance up to 30 m (100 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)
- Defog
- 3D noise reduction
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- ONVIF (Profile G, S, T) conformant

Introduction

GV-EDB4712 is an outdoor, network camera equipped with an automatic IR-cut filter and 2 IR LEDs for day and night surveillance. With its motorized lens, the user can zoom and focus the camera from the Web interface. The camera adheres to IP67 standards. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. With its WDR Pro, it can process scenes with contrasting intensity of lights and produce clear image.

Active Tampering Alarm

Tampered



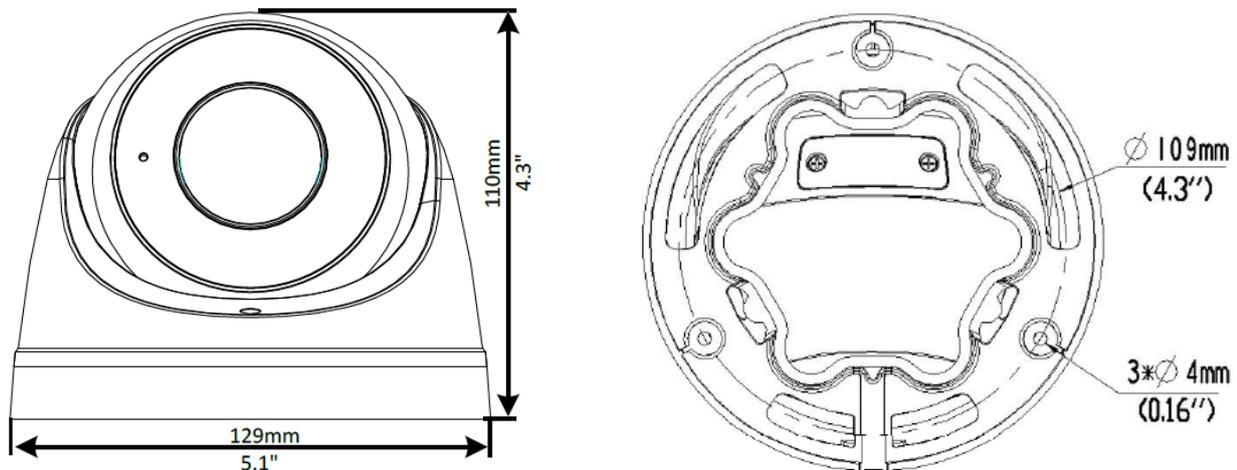
Focus Change



Camera Shift



Dimensions



Specifications

Camera

Image Sensor	1/3" progressive scan super low lux CMOS	
Picture Elements	2688 (H) x 1520 (V)	
Minimum Illumination	Color	0.003 Lux (F1.6, AGC ON)
	IR ON	0 Lux
Shutter Speed	Automatic / Manual (1/6 ~ 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	Yes	
Day / Night	Yes (with removable IR-cut filter)	
Lens Type	Motorized varifocal lens	
Focal Length	2.8~12 mm	
Maximum Aperture	F/1.6	
Mount	Ø 12 mm	
Horizontal FOV	98°~31°	
Operation	Focus	Auto / Manual
	Zoom	4.3x Optical Zoom
	Iris	Fixed
IR LED Quantity	2 IR LEDs	
Max. IR Distance	30 m (100 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 1920 x 1080 (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, Intrusion, Human Body Detection. *Tampering alarm, Audio detection, Intrusion and Human Body 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, Image Orientation (Flip, Mirror, 0°, 180°)
Audio Compression	G.711
Audio Support	One-way Audio

Video Resolution		
Main Stream		2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080
Sub Stream		1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288
Third Stream (Closed by Default)		640 x 360, 352 x 288
Network		
Interface		10/100 Ethernet
Protocol		ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, RTCP, RTP, RTSP, SMTP, TCP, UDP, UPnP, ONVIF (Profile G, S, T)
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	0° ~ 90°
	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	-40°C ~ 60°C (-40°F ~ 140°F)
	Operation	
Humidity		0% ~ 95% (no condensation)
Power Source		12V DC / PoE (IEEE802.3af)
Max. Power Consumption		8.16W
Dimensions		Ø 129 x 110 mm (Ø 5.1" x 4.3")
Weight		0.67 kg (1.48 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 (V17.4.0 / V18.1.1), GV-DVR / NVR (V8.9.0), GV-Control Center (V3.8.0), GV-Recording Server / Video Gateway (V1.4.0), GV-Edge Recording Manager Win version (V2.0.0), GV-Redundant / Failover Server (V1.1.0.0), GV-Mobile Server (V1.5.0.0)
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App

Note:

1. It is required to apply patch files to some of the 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-EBD4712 Eyeball Dome | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Download Guide |
| 3. Screw kit | 6. Warranty Card |

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	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.		