

## GV-GEBF4911 Cloud AI 4MP H.265 4.3x Zoom Super Low Lux WDR Pro Full Color Warm LED IR Eyeball Dome IP Camera



- Direct-to-Cloud
- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- 1/3" progressive scan CMOS sensor
- Triple streams from H.265, H.264 or MJPEG
- Min. illumination at 0.02 lux
- Up to 30 fps at 2592 x 1520
- Smart Warm LED distance up to 40 m (130 ft)
- Intelligent IR
- IR distance up to 40 m (130 ft)
- Wide Dynamic Range Pro (WDR Pro)
- Built-in microphone and speaker
- Built-in microSD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- 3-axis mechanism (pan / tilt / rotate)
- Ingress protection (IP66)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- Defog
- 3D noise reduction
- GV-Center V2 connection
- AI analytics (Line Crossing, Region Entrance, Region Exiting, Target Counting, Region Intrusion, Face Detection, Video Metadata, Heat Map)
- Active Deterrence: Alarm sound and LED lights triggered upon AI events
- Smart lighting switch between IR LED (for motion detection) and Warm LED (for people detection)
- Motion detection
- Text overlay
- Privacy mask
- 12 languages supported
- ONVIF (Profile G, S, T) conformant

### Introduction

GV-GEBF4911 is an outdoor eyeball dome IP camera equipped with smart warm LEDs for full color surveillance during nighttime. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. GV-GEBF4911 adheres to IK10 and IP66 standards, and can be powered through PoE.

Empowered by deep learning algorithms, AI technology distinguishes human and vehicles from other moving objects. When integrated with GeoVision Video Management Software (VMS), it supports AI perimeter protection, real time alert, events playback and more. By connecting the camera to the cloud-based data center and video surveillance solution, GV-Cloud VMS, thousands of on-site videos, alarm devices, and AI events can be monitored and managed from a single platform.

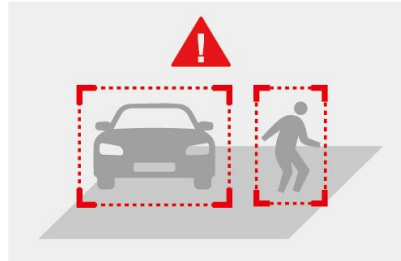
## Deep Learning Function

### Face Detection

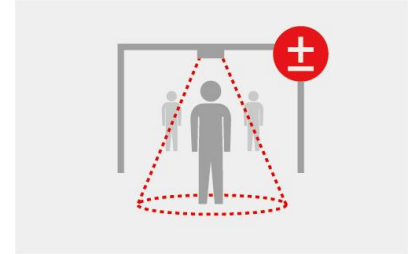


### AI Perimeter Protection

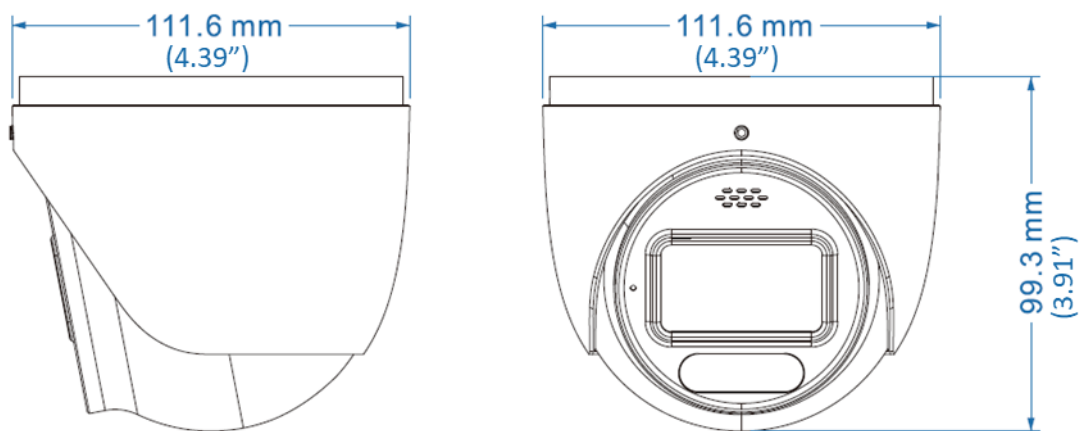
(Region Intrusion, Line Crossing, Region Entrance, Region Exiting)



### People Counting



## Dimensions



## Specifications

Camera		
Image Sensor	1/3" progressive scan CMOS	
Picture Elements	2592 (H) x 1520 (V)	
Minimum Illumination	Color	0.02 Lux (F1.4, AGC ON)
Shutter Speed	Automatic / Manual (1/3 ~ 1/100000 sec)	
White Balance	Automatic, Manual	
Gain Control	Automatic, Manual	
S/N Ratio	50 dB	
WDR	WDR Pro	
Dynamic Range	120 dB	
Lens		
Megapixel	4MP	
Day / Night	Yes (with removable IR-cut filter)	
Lens Type	Motorized	
Focal Length	2.8 -12 mm	
Maximum Aperture	F/1.4	
Mount	Ø 14	
Horizontal FOV	96° - 32.33°	
Operation	Focus	Auto / Manual
	Zoom	4.3x
	Iris	DC
Active Deterrence LED	1 red and blue LED	

IR LED	Quantity	1 IR LED			
	Max. IR Distance	40 m (130 ft)			
Warm LED	Quantity	1 Warm LED			
	Max. Warm LED Light Distance	40 m (130 ft)			
<b>DORI</b>		<b>Detect</b>	<b>Observe</b>	<b>Recognize</b>	<b>Identify</b>
Lens	(W) 2.8 – 12 mm	60.0 m (196.8 ft)	24.0 m (78.7 ft)	12.0 m (39.3 ft)	6.0 m (19.6 ft)
	(T) 2.8 – 12 mm	175.7 m (576.4 ft)	70.2 m (230.3 ft)	35.1 m (115.1 ft)	17.5 m (57.4 ft)
<b>Operation</b>					
Video Compression		H.265, H.265+, H.264, H.264+, MJPEG			
Video Streaming		Triple streams from H.265, H.264 or MJPEG			
Frame Rate		30 fps at 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 480, 640 x 480, 352 x 240, 480 x 240 (60 Hz)			
		25 fps at 2592 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720, 704 x 567, 640 x 480, 352 x 288, 480 x 240 (50 Hz)			
		*The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).			
Maximum Throughput	AI off	64 Mbps			
	AI on	18 Mbps: one AI function enabled 12 Mbps: multiple AI functions enabled			
Maximum Streams *When the total bitrate is within the maximum throughput		10 *By default, 2 connections are occupied whether connected to GV-Cloud VMS or not.			
Video Analytics		Motion Detection, Video Exception Detection (Scene Change, Video Blur and Abnormal Color Detection), Object Abandoned/Missing Detection			
Image Setting		Brightness, Contrast, Saturation, Sharpness, Antiflicker, 3D Noise Reduction, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format)			
Audio Compression		G.711			
Audio Support		Two-way Audio			
Digital I/O	Input	1 input, dry contact, NO/NC			
	Output	1 relay output (1A 30V DC / 0.3A 125V AC)			
<b>Video Resolution</b>					
Main Stream		2592 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720			
Sub Stream		1280 x 720 (Default), 704 x 480, 640 x 480, 352 x 240			
Third Stream (Closed by Default)		704 x 480, 640 x 480, 352 x 240, 480 x 240			
<b>Network</b>					
Interface		10/100 Ethernet			
Protocol		UDP, IPv4, IPv6, DHCP, NTP, RTSP, RTP, RTCP, PPPoE, DDNS, SMTP, FTP, SNMP, RTMP, HTTP, 802.1x, UPnP, HTTPS, QoS, ONVIF (Profile G, S, T), API			
<b>Deep Learning Function</b>					
AI Analytics		<ul style="list-style-type: none"> <li>- Line Crossing, Region Entrance, Region Exiting, Region Intrusion, Target Counting, Heat Map, Video Metadata: Human &amp; Vehicle classification</li> <li>- Face Detection</li> </ul> <p>* A maximum of 1 smart detection function is suggested at a time to ensure comprehensive detection results and the optimized performance by the camera. *Once connected to GV-Cloud VMS / GV-Center V2, up to 1 smart detection function is supported.</p>			
Video Metadata	People	Gender, Age, Top / Bottom (Type, Color), Accessories (Hat, Bag, Face Mask, Glasses)			
	Vehicle	Type, Color, Brand, Model			
	Non-Motor Vehicle	Type			
<b>Mechanical</b>					
Camera Angle Adjustment	Pan	0° ~ 360°			
	Tilt	0° ~ 75°			
	Rotate	0° ~ 360°			
Connectors	Power	DC 12V, PoE (IEEE 802.3af)			
	Ethernet	RJ-45			
	Audio	1 In (built-in speaker and microphone, or external speaker and microphone with power supply), 1 Out (stereo phone jack, 3.5 mm / 0.14") *The Audio In port only supports microphones with power supply			

	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")
	Local Storage	microSD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
<b>General</b>		
	Operation Temperature	-30 ~ 60°C (-22 ~ 140°F)
	Humidity	0% ~ 95% (no condensation)
	Power Source	DC 12V, PoE (IEEE 802.3af)
	Max. Power Consumption	12W
	Dimensions	Ø 111.6 x 99.3 mm (Ø 4.39 x 3.91 in)
	Weight	0.64 kg (1.41 lb)
	Ingress Protection	IP66
	Vandal Resistance	IK10 for metal casing
	Certification	CE, FCC, RoHS compliant
<b>Web Interface</b>		
	Installation Management	Web-based configuration
	Maintenance	Firmware upgrade through Web Browser or Utility
	Access from Web Browser	Live View, Playback, Video Recording, Image Quality, Bandwidth Control, Image Snapshot, Two-way Audio, Digital Zoom, Text Overlay, Image Masking, Intelligent Mark
	Language	Chinese Traditional, Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish
<b>Software Applications</b>		
	Software Supported	GV-VMS (V17.4.7 or later, V18.3.2 or later), GV-Edge Recording Manager (V2.2.5 or later), GV-Control Center (V4.1.1 or later), GV-Recording Server (V2.1.0 or later), GV-Cloud VMS, GV-Center V2 (V18.3.0A or later)
	Smart Device Access	GV-Eye for iOS and Android (V3.0.2 or later)
	Live Viewing	Web Browser (Edge, IE mode in Edge, Chrome, Firefox, Safari), Mobile App



**Note:**





1. When connecting to GV-Cloud VMS, avoid connecting to other GV-Software at the same time.
2. Industrial-grade microSD cards are recommended to avoid event recordings writing failure.
3. Specifications are subject to change without notice.

**Packing List**



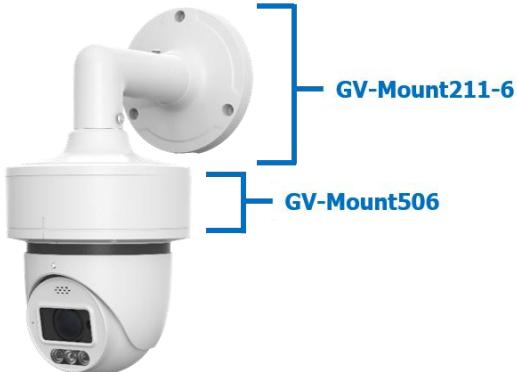
- |                             |                          |
|-----------------------------|--------------------------|
| 1. GV-GEBF4911 Eyeball Dome | 4. Hex Key               |
| 2. Waterproof Rubber Set    | 5. Drill Template Paster |
| 3. Screw kit                | 6. Download Guide        |

**Accessories**

Model No.	Name		Details
GV-Mount211-4	Wall Mount Bracket		Dimensions: 129.5 x 155 x 74.5 mm (5.10 x 6.10 x 2.93 in) Weight: 0.53 kg (1.16 lb)
GV-Mount211-6 (must be used with Mount506)	Wall Mount Bracket		Dimensions: 199 x 139.3 x 140.6 mm (7.83 x 5.48 x 5.54 in) Weight: 0.56 kg (1.23 lb)

GV-Mount470 (must be used with Mount211-6 or 506)	Pole Mount Bracket		Dimensions: 163.3 x 54.5 x 215 mm (6.43 x 2.15 x 8.46 in) Weight: 1.10 kg (2.43 lb)
GV-Mount506	Junction Box		Dimensions: 139.3 x 171.6 x 50 mm (5.48 x 6.76 x 1.97 in) Weight: 0.51 kg (1.13 lb)
GV-PA191	PoE Adapter		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	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.		

### Mounting Type

Wall Bracket Mount GV-Mount211-4	Junction Box Mount GV-Mount506	Junction Box Mount GV-Mount506	Wall Bracket Mount GV-Mount211-6
			

Junction Box Mount	Wall Bracket Mount	Pole Bracket Mount
GV-Mount506	GV-Mount211-6	GV-Mount470

The diagram illustrates a camera assembly. A white camera is mounted on a white wall bracket (GV-Mount211-6). The camera is also connected to a white junction box (GV-Mount506). The entire assembly is mounted on a white pole bracket (GV-Mount470). Blue brackets and lines point to each component with their respective labels.

Junction Box Mount	Pole Bracket Mount
GV-Mount506	GV-Mount470

The diagram illustrates a camera assembly. A white camera is mounted on a white pole bracket (GV-Mount470). The camera is also connected to a white junction box (GV-Mount506). Blue brackets and lines point to each component with their respective labels.