

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 micro SD card slot (SD / SDHC / SDXC / UHS-I) 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

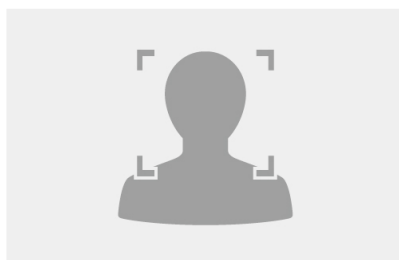
GV-GEBF4911 is an outdoor eyeball dome IP camera equipped with smart warm LEDs for full color surveillance. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths.

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.

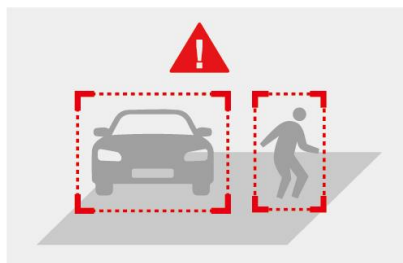
Deep Learning Function

Face Detection

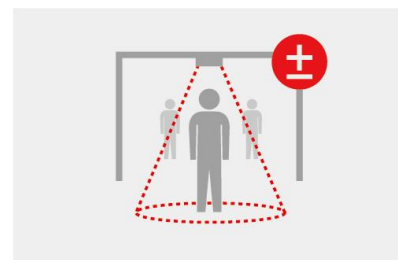


AI Perimeter Protection

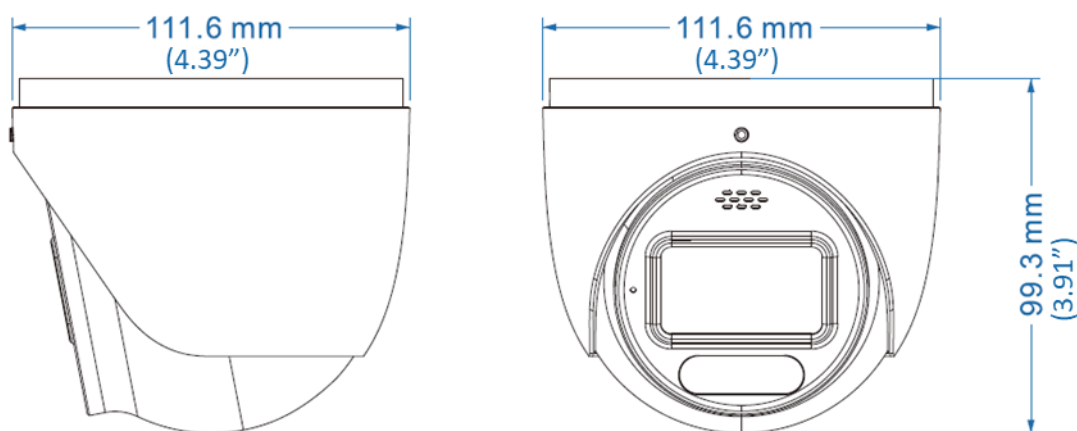
(Region Intrusion, Line Crossing, Region Entrance, Region Exiting)



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 removeable 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)			
Smart Illumination	LED Quantity	1 Warm LED			
	Max. LED Distance	40 m (130 ft)			
DORI		Detect	Observe	Recognize	Identify
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)
Operation					
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).			
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)			
Video Resolution					
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			
Network					
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			
Deep Learning Function					
AI Analytics		- Line Crossing, Region Entrance, Region Exiting, Region Intrusion, Target Counting, Heat Map, Video Metadata: Human & Vehicle classification - Face Detection * 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.			
Mechanical					
Camera Angle Adjustment	Pan	0° ~ 360°			
	Tilt	0° ~ 75°			
	Rotate	0° ~ 360°			
Connectors	Power	DC 12V, PoE (IEEE 802.3af)			
	Ethernet	RJ-45			
	Audio	Two-way Audio (built-in speaker and microphone, or external speaker and microphone with power supply), 1 in / 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	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.			
General					
Operation Temperature		-30~ 60°C (-22 ~ 140°F)			
Humidity		0% ~ 95% (no condensation)			
Power Source		DC 12V, PoE (IEEE802.3af)			

Max. Power Consumption	12W
Dimensions	Ø 111.6 x 99.3 mm (Ø 4.39" x 3.91")
Weight	0.64 kg (1.41 lb)
Ingress Protection	IP66
Vandal Resistance	IK10 for metal casing
Certification	CE, FCC, RoHS compliant

Web Interface

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	Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese

Software Applications

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 (IE, 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-Mount506	Junction Box		Dimensions: 139.3 x 171.6 x 50 mm (5.48" x 2.81" x 1.97") Weight: 0.512 kg (1.13 lb)
GV-Mount211-4	Wall Mount Bracket		Dimensions: 129.8 x 154.9 x 74.4 mm (5.11" x 6.1" x 2.93") Weight: 0.527 kg (1.16 lb)
GV-Mount211-6 (must be used with Mount506)	Wall Mount Bracket		Dimensions: 199 x 139.3 x 140.9 mm (7.83" x 5.48" x 5.55") Weight: 0.56 kg (1.23 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-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.