GV-GBLF2802 AI 2MP H.265 Super Low Lux WDR Pro Full Color Warm LED IR Bullet IP Camera



- AI deep learning: Smart Perimeter Protection & Classification (Human, Vehicle)
- 1/2.8" progressive scan CMOS sensor
- Min. illumination at 0.008 lux
- Triple streams from H.265, H.264 or MJPEG
- Up to 30 fps at 1920 x 1080
- Smart warm LED distance up to 30 m (100 ft)
- Intelligent IR
- Wide Dynamic Range Pro (WDR Pro)
- IR distance up to 30 m (100 ft)
- Built-in microphone
- Built-in microSD card slot (SD / SDHC / SDXC) for local storage
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- 3D noise reduction
- AI analytics (Line Crossing, Region Intrusion)
- Smart lighting switch between IR LED (for motion detection) and Warm LED (for people, vehicle and motorcycle detection)
- Motion detection
- Text overlay
- Privacy mask
- 20 languages supported
- ONVIF (Profile G, S, T, M) conformant

Introduction

GV-GBLF2802 is a 2 MP bullet IP camera, equipped with smart warm LED for full color surveillance during nighttime. The camera supports H.265 video codec to achieve a better compression ratio while maintaining high-quality pictures at reduced network bandwidth. GV-GBLF2802 adheres to IP67 and IK10 standards and can be powered through PoE.

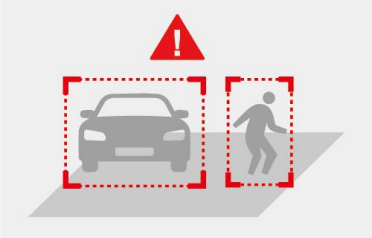
Empowered by deep learning algorithms, AI technology distinguishes humans and vehicles from other moving objects. Integrated with GeoVision Video Management Software (GV-VMS), it supports AI perimeter protection, real-time alert, playback, and more.

Models

Model	Iris	Focal Length (mm)	Horizontal FOV	Maximum Aperture	Image Format
GV-GBLF2802-2F	Fixed	2.8 mm	107°	F/1.6	1/2.8”
GV-GBLF2802-3F		3.6 mm	89°		

Deep Learning Function

AI Perimeter Protection
(Line Crossing, Region Intrusion)



Specifications

Camera					
Image Sensor		1/2.8" progressive scan CMOS			
Picture Elements		1920 (H) x 1080 (V)			
Minimum Illumination	Color	0.008 Lux (F1.6, AGC ON)			
	IR On	0 Lux			
Shutter Speed		Auto / Manual (1/3 ~ 1/100000 sec)			
White Balance		Automatic, Manual			
Gain Control		Automatic, Manual			
S/N Ratio		50 dB			
WDR Pro		Yes			
Dynamic Range		120 dB			
Lens		**GV-GBLF2802-2F**		**GV-GBLF2802-3F**	
Megapixel		2 MP			
Day / Night		Yes (with removable IR-cut filter)			
Lens Type		Fixed			
Focal Length		2.8 mm		3.6 mm	
Maximum Aperture		F/1.6			
Mount		M12			
FOV	Horizontal	107°		89°	
	Vertical	56°		47.5°	
	Diagonal	126°		104°	
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
IR LED	Quantity	1 IR LED			
	Max. IR Distance	30 m (100 ft)			
Smart Illumination	LED Quantity	1 Warm LED			
	Max. LED Distance	30 m (100 ft)			
DORI		**Detect**	**Observe**	**Recognize**	**Identify**
Lens	2.8 mm	41 m (134.5 ft)	16 m (52.4 ft)	8 m (26.2 ft)	4 m (13.1 ft)
	3.6 mm	50 m (164.0 ft)	20 m (65.6 ft)	10 m (32.8 ft)	5 m (16.4 ft)
Operation					
Video Compression		H.265, H.265+, H.264, H.264+, MJPEG			
Video Streaming		Three streams			
Video Resolution	Main Stream	1920 x 1080 (Default), 1280 x 720			
	Sub Stream	704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288			
	Third Stream	704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288			
Frame Rate		30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz) 25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz) * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).			

Maximum Throughput			36 Mbps
Maximum Streams * When the total bitrate is within the maximum throughput			6
Video Analytics			Motion Detection, Video Exception Detection (Abnormal Color Detection, Scene Change, Video Blur), Object Abandoned/Missing Detection
Smart Alarm			Cable Disconnection, IP Address Conflict, SD Card Error, SD Card Full
Image Setting			Brightness, Contrast, Hue, Saturation, Sharpness, 3D Noise Reduction, BLC, Antiflicker, White Balance, Shutter, Gain, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270° – including Corridor format)
Audio Compression			G.711
Audio Support			One-way audio
Deep Learning Function			
AI Analytics			Line Crossing, Region Intrusion (all with Human & Vehicle classification) *The two functions can only be enabled one at a time.
Network			
Interface			10/100 Ethernet
Protocol			802.1X authentication (EAP-TLS, EAP-MD5), DDNS, DHCP, FTP, HTTP POST, HTTP, HTTPS, IPv4, IPv6, NTP, ONVIF (Profile G, S, T, M), PPPoE, QoS, RTCP, RTMP, RTP, RTSP, SMTP, SNMP, UDP, UPnP
Mechanical			
Camera Angle Adjustment	Pan		0 ~ 360°
	Tilt		0 ~ 80°
	Rotate		0 ~ 360°
Connectors	Power		DC jack, PoE
	Ethernet		RJ-45
	Audio	Built-in microphone	Yes
		External microphone required	Yes (Audio jack, 3.5 mm)
		Built-in speaker	No
		External speaker required	No
		* For devices with a microphone or speaker, choose either the built-in or external option.	
		* If equipped with an Audio In port, it only supports microphones with power supply.	
	Local Storage		microSD card slot (SD / SDHC / SDXC), up to 256 GB
General			
Operating Temperature			-30°C ~ 60°C (-22°F ~ 140°F)
Humidity			0 ~ 95% (no condensation)
Power Source			12V DC, 1.5A / PoE (IEEE 802.3af)
Max. Power Consumption			6 W
Dimensions			165.7 × 69 × 69 mm (6.5 × 2.7 × 2.7 in)
Weight			0.45 kg (0.992 lb)
Ingress Protection			IP67
Vandal Resistance			IK10 for metal casing
Certification			CE, FCC, LVD, RoHS, UKCA, BSMI 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, Digital Zoom, Text Overlay, Image Masking, Intelligent Mark
Language			Chinese Traditional, Czech, Dutch, English, French, German, Greek, Hungarian, Italian, Japanese, Korean, Norwegian, Polish, Portuguese, Romanian, Russian, Spanish, Spanish (Latin America), Turkish, Ukrainian
Software Applications			
Software Supported			GV-VMS (V17.4.8 or later, patch files required / V18.3.5 / V20.0.0 or later), GV-Edge Recording Manager (V2.2.8 or later), GV-Control Center (V4.2.1 or later), GV-Recording Server (V2.1.1 or later, patch files required), GV-IP Device Utility (V9.0.1 or later)
Smart Device Access			GV-Eye for iOS and Android (V3.2.0 or later)
Live Viewing			Web Browser (Edge, IE mode in Edge, Chrome, Firefox, Safari), Mobile App

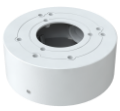
Note:

1. Industrial-grade microSD cards are recommended to avoid event recording writing failure.
2. All specifications are subject to change without notice.

Packing List

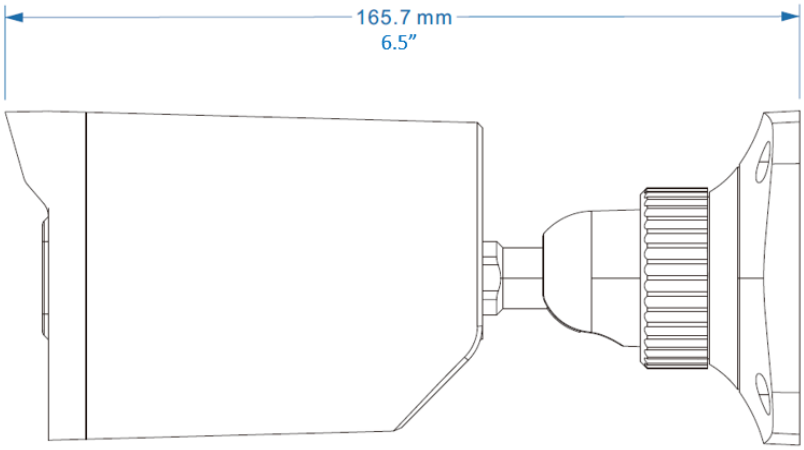
1. GV-GBLF2802 Bullet Camera
2. Waterproof Rubber Set
3. Screw Kit
4. Drill Template Paster
5. Download Guide

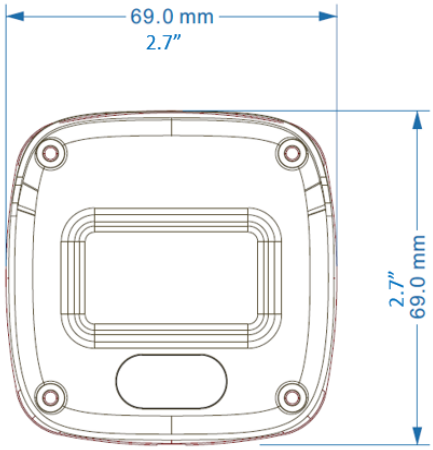
Accessories

Model No.	Name		Details
GV-Mount117 (must be used with GV-Mount506-1)	Pendant Mount		Dimensions: Ø 121 x 191.4 mm (Ø 4.76 x 7.54 in) Weight: 0.4 kg (0.88 lb)
GV-Mount211-9 (must be used with GV-Mount507-1)	Wall Mount Bracket		Dimensions: Ø 121 x 148 mm (Ø 4.76 x 5.83 in) Weight: 0.35 kg (0.77 lb)
GV-Mount314 (must be used with GV-Mount211-9 + GV-Mount507-1, GV-Mount506-1, or GV-Mount507-1)	Corner Mount Bracket		Dimensions: 215 x 121.4 x 215mm (8.46 x 4.78 x 8.46 in) Weight: 2.05 kg (4.52 lb)
GV-Mount470 (must be used with GV-Mount211-9 + GV-Mount507-1, GV-Mount506-1, or GV-Mount507-1)	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-Mount506-1	Junction Box		Dimensions: 117.9 x 143.3 x 47 mm (4.64 x 5.64 x 1.85 in) Weight: 0.38 kg (0.84 lb)
GV-Mount507	Junction Box		Dimensions: Ø 96 x 38.8 mm (Ø 3.78 x 1.53 in) Weight: 0.135 kg (0.30 lb)
GV-Mount507-1	Junction Box		Dimensions: Ø 111.7 x 55 mm (Ø 4.40 x 2.17 in) Weight: 0.33 kg (0.73 lb)

GV-Mount707 (must be used with GV-Mount117)	Extension Tube		Dimensions: Ø 37 x 515 mm (Ø 1.46 x 20.28 in) Weight: 0.8 kg (1.76 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.	

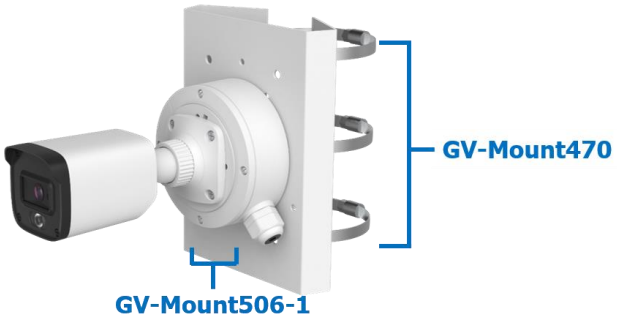
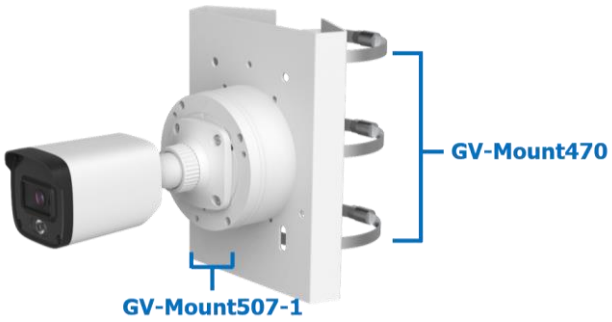
Dimensions



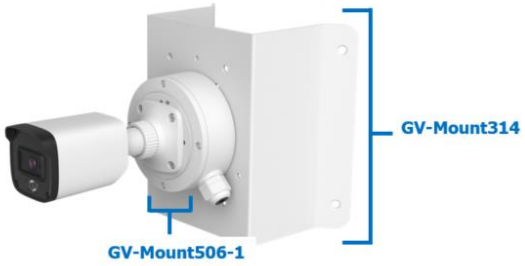
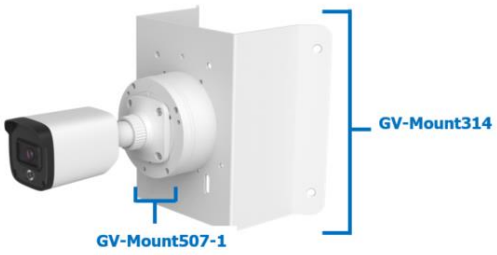


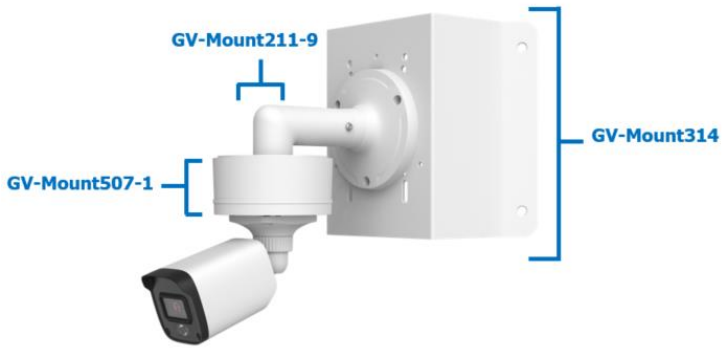
Mounting Type

Junction Box Mount	Junction Box Mount	Junction Box Mount	Wall Bracket Mount
GV-Mount506-1	GV-Mount507	GV-Mount507-1	GV-Mount211-9
			

Junction Box Mount	Pole Bracket Mount	Junction Box Mount	Pole Bracket Mount
GV-Mount506-1	GV-Mount470	GV-Mount507-1	GV-Mount470
			

Junction Box Mount	Wall Bracket Mount	Pole Bracket Mount
GV-Mount507-1	GV-Mount211-9	GV-Mount470
		

Junction Box Mount	Corner Mount Bracket	Junction Box Mount	Corner Mount Bracket
GV-Mount506-1	GV-Mount314	GV-Mount507-1	GV-Mount314
			

Junction Box Mount	Wall Bracket Mount	Corner Mount Bracket
GV-Mount507-1	GV-Mount211-9	GV-Mount314
		

Junction Box Mount	Pendant Mount
GV-Mount506-1	GV-Mount117

