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

Bullet IP Camera





- Al 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 (SDHC / SDXC / UHS-I, Class 10) for local storage
- Ingress protection (IP67)
- Vandal resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- 3D noise reduction
- Al 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
- 19 languages supported
- ONVIF (Profile G, S, T, M) conformant

Introduction

GV-GBLF2802 is a 2 MP outdoor 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.

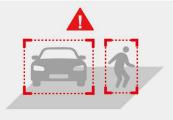
Models

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

Image Sensor 1/2.8" progressive scan CMOS Picture Elements 1920 (H) x 1080 (V) Minimum Color 0.008 Lux (FL, 6AC ON) Illumination IR On 0 Lux Shutter Speed Auto / Manual (1/3 ~ 1/100000 sec) Withe Balance Automatic, Manual Automatic, Manual Gain Control Automatic, Manual Syn 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 Horizontal FOV 107" 89" Operation Fixed Operation Fixed 20 m (100 ft) Illumination Jos m (100 ft) 30 m (120 ft) Illumination Jos m (120 ft) 10 m (32.8 ft) 5 m (16.4 ft) Operation LED Quantity 1 Warm LED 30 m (120 ft) 30 m (120 ft) <th>Camera</th> <th></th> <th></th> <th></th> <th></th> <th></th>	Camera							
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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 Base Frame Rate 30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz) Yes the frame rate and performance may vary depending on the number of connections and data bitrates (different scenes). Maximum Al off	Video Compression	Video Compression		H.265, H.265+, H.264, H.264+, MJPEG				
Video Resolution 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 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 Al off	Video Streaming	Video Streaming		Three streams				
Third Stream 704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288 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 Al off 64 Mbps	Video Resolution	Main Stream	1920 x 1080 (Default), 1280 x 720					
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 AI off		Sub Stream	704 x 480, 704 x 576, 640 x 480, 640 x 360 (Default), 352 x 240, 352 x 288					
Frame Rate 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 AI off 64 Mbps		Third Stream	704 x 480 (Default), 704 x 576, 480 x 240, 352 x 240, 352 x 288					
Frame Rate * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes). Maximum AI off 64 Mbps			30 fps at 1920 x 1080 / 1280 x 720 / 704 x 480 / 640 x 480 / 352 x 240 (60 Hz)					
* The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes). Maximum AI off 64 Mbps	Frame Rate		25 fps at 1920 x 1080 / 1280 x 720 / 704 x 576 / 640 x 480 / 352 x 288 (50 Hz)					
					vary depending on the r	number of connections		
Throughput AI on 12 Mbps	Maximum	AI off	64 Mbps					
	Throughput	Al on	12 Mbps					

Maximum Stream * When the total bit maximum throughpu		6		
Video Analytics		Motion Detection, Object Abandoned / Missing Detection, Video Exception		
Smart Alarm		Motion Detection, SD Card Error, SD Card Full, IP Address Conflict, Cable Disconnection Scene Change Detection, Video Blur Detection, Video Cast Detection		
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 Functi	on			
AI Analytics		Line Crossing, Region Intrusion *The two functions can only be enabled one at a time.		
Network				
Interface		10/100 Ethernet		
Protocol		802.1x, 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	Pan	0 ~ 360°		
Adjustment	Tilt	0 ~ 80°		
rajustinent	Rotate	0 ~ 360°		
	Power	DC jack, PoE		
	Ethernet	RJ-45		
		Built-in microphone Yes		
		External microphone required Yes (Audio jack, 3.5 mm)		
_		Built-in speaker No		
Connectors	Audio	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	Micro SD card slot (SDHC / SDXC / UHS-I, Class 10) * UHS-II card type is not supported.		
General				
Operating Temperat	ure	-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 Consum	ption	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, RoHS, UKCA compliant		
Web Interface				
Installation Manager	ment	Web-based configuration		
Maintenance		Firmware upgrade through Web Browser or Utility		
Access from Web Browser		Live View, Playback, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Digital Zoom, Text Overlay, Image Masking, Intelligent Mark		
Language		Hungarian, English, Spanish, Spanish (LA), Italian, Portuguese, Russian, Polish, Romanian, Hebrew, German, French, Dutch, Norwegian, Czech, Turkish, Japanese, Korean, Traditional Chinese		
Software Application	s			
Software Supported		GV-VMS (V17.4.8 with Patch or later, V18.3.4 with Patch 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 with Patch or later)		
Smart Device Access		GV-Eye for iOS and Android (V3.2.0 or later)		
Live Viewing		Web Browser (Edge 120.0.2210.121, Chrome 120.0.6099.200, Firefox 121.0, Safari 11), 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.

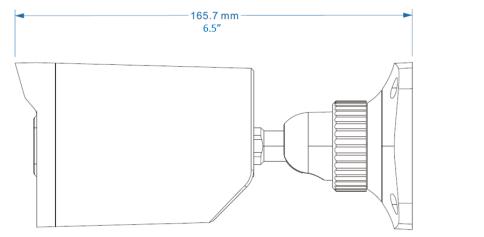
Packing List

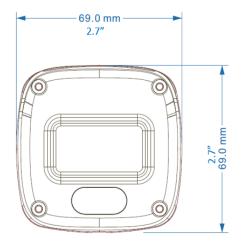
- 1. GV-GBLF2802
- 2. Waterproof Rubber Set
- Drill Template Paster
 Download Guide

3. Screw Kit

Model No.	Name	Details
GV-Mount211-9 (must be used with 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-Mount470 (must be used with Mount211-9, 506-1, or 507-1)	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: 0.16 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-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 differen 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
GV-Mount506-1	GV-Mount507	GV-Mount507-1-	GV-Mount211-9

