

GV-EBL2702 Series Starlight 2MP H.265 Super Low Lux WDR Pro IR Bullet IP Camera



- 1/2.8" progressive scan super low lux CMOS
- Min. illumination at 0.004 lux
- Dual streams from H.265, H.264, and MJPEG
- Up to 30 fps at 1920 x 1080
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Day/Night function (with removable IR-cut filter)
- Intelligent IR
- IR distance up to 60 m (197 ft)
- Built-in micro SD card slot (SD/SDHC/UHS-I) for local storage
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- Smart streaming
- Defog
- Text overlay
- Tampering Alarm
- 3D noise reduction
- IP address filtering
- Recording assigned by GV-Edge Recording Manager (Windows & Mac)
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

* No memory card slot & local storage function for Argentina

* Smart streaming requires either GV-DVR / NVR V8.7.0 or GV-VMS V16.10.3

Introduction

The Target Bullet Camera is a lightweight camera designed for outdoor environments. It adheres to the IP67 standard and has full protection against dust and jets of water. The camera can support H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. The camera is capable of providing a color live view not only in near darkness but also under contrasting light intensities with its super low lux CMOS image sensor and WDR pro.

Models

Model	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-EBL2702-1F	Fixed	6	F/2.0	1/2.7"
GV-EBL2702-2F		3.8	F/1.8	
GV-EBL2702-3F		2.8	F/2.0	

Active Tampering Alarm

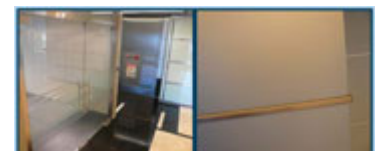
Tampered



Focus Change

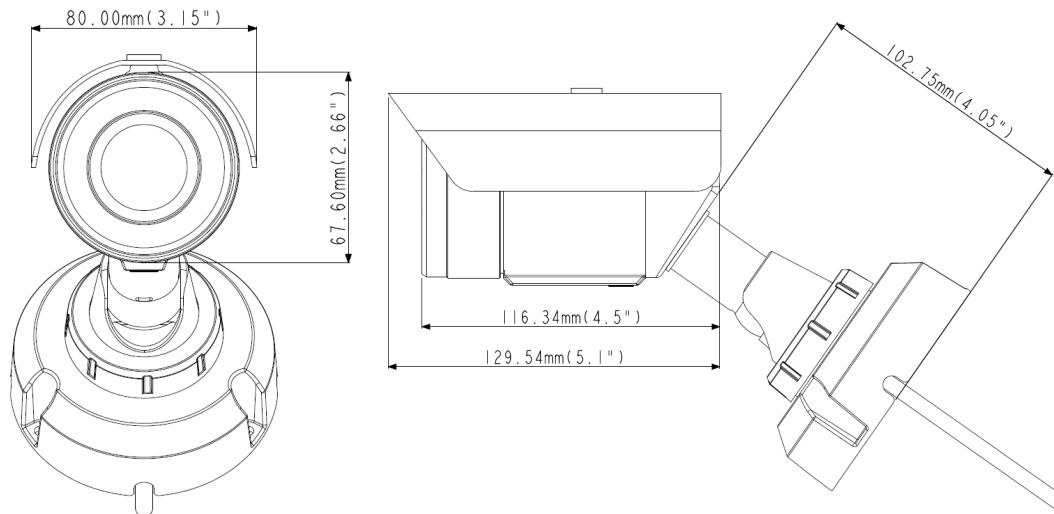


Camera Shift



Overview

Dimensions



Specifications

Camera	GV-EBL2702-1F	GV-EBL2702-2F	GV-EBL2702-3F
Image Sensor	1/2.8" progressive scan super low lux CMOS		
Picture Elements	1920 (H) x 1080 (V)		
Minimum Illumination	Color	0.005 Lux	
	B/W	0.004 Lux	
	IR ON	0 Lux	
Shutter Speed	Automatic, manual (1/5 ~ 1/16000 sec)		
White Balance	Automatic, manual (2800K ~ 8500K)		
Gain Control	Automatic		
S/N Ratio	56 dB		
WDR	WDR Pro		
Dynamic Range	Up to 130 dB		
Lens			
Megapixel	Yes		
Day/Night	Yes (with removable IR-cut filter)		
Lens Type	Fixed		
Focal Length	6 mm	3.8 mm	2.8 mm
Maximum Aperture	F/2.0	F/1.8	F/2.0
Mount	M12, Pitch 0.5 mm		
Horizontal FOV	52°	73°	100°
Image Format	1/2.7"		
Operation	Focus	Fixed	
	Zoom	Fixed	
	Iris	Fixed	
IR LED Quantity	6 IR LEDs		
Max. IR Distance	60 m (197 ft)		
Operation			
Video Compression	H.265, H.264, MJPEG		
Video Stream	Stream 1 from H.265 or H.264 Stream 2 from H.265, H.264 or MJPEG		
Frame Rate	50 Hz: 25 fps at 1920 x 1080 60 Hz: 30 fps at 1920 x 1080 *The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes)		
Image Setting	Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog, Low Lux Enhancement, Denoise and Metering		
Audio Support	N/A		

Video Resolution		
	4 : 3	1280 x 960, 640 x 480
Main Stream	16 : 9	1920 x 1080 (Default), 1280 x 720, 640 x 360
	5 : 4	1280 x 1024, 640 x 512
Sub Stream	4 : 3	640 x 480, 320 x 240
	16 : 9	640 x 360 (Default), 448 x 256
	5 : 4	640 x 512, 320 x 256
Network		
Interface	10/100 Ethernet	
Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA	
Mechanical		
Temperature Detector	Yes	
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	90° ~ 180°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Local Storage	Micro SD card slot (SD/SDHC/UHS-I, Class 10) *UHS-II and SDXC card type is not supported.
LED Indicator	2 LEDs: Power, Status	
General		
Environment Temperature	Start-up	-20°C ~ 60°C (-4°F ~ 140°F)
	Operation	-30°C ~ 60°C (-22°F ~ 140°F)
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption	9.10 W	
Dimensions	129.54 x 80 x 102.75 mm (5.1" x 3.15" x 4.05")	
Weight	809 g (1.78 lb)	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
Regulatory	CE, FCC, RCM, LVD, RoHS compliant	
Power over Ethernet		
PoE Standard	PoE (IEEE 802.3af Power over Ethernet / PD)	
PoE Power Supply Type	End-span, Mid-span	
PoE Power Output	Per Port 48V DC, 350mA, Max. 15.4 watts	
Web Interface		
Installation Management	Web-based configuration	
Maintenance	Firmware upgrade through Web Browser or Utility	
Access from Web Browser	Camera Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Picture in Picture, Picture and Picture, Privacy Mask, Text Overlay, Digital PTZ	
Language	Arabic / Bulgarian / Czech / Danish / Dutch / English / Finnish / French / German / Greek / Hebrew / Hungarian / Indonesian / Italian / Japanese / Lithuanian / Norwegian / Persian / Polish / Portuguese / Romanian / Russian / Serbian / Simplified Chinese / Slovakian / Slovenian / Spanish / Swedish / Thai / Traditional Chinese / Turkish	
Application		
Software Supported	GV-DVR / NVR (V8.7.3.0), GV-VMS (V16.11.0.0), GV-Control Center (V3.4.0.0), GV-Edge Recording Manager (V1.2.1.0), GV-Center V2 (V16.11.0.0), GV-Recording Server / Video Gateway (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)	
Smart Device Access	GV-Eye for iOS and Android	
Remote Live Viewing	Browser (IE, Chrome, Firefox, Safari), Mobile App	
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor	

Note:

1. It's required to apply patch files to all the supported software mentioned above.
2. The signal range and data throughput may vary depending on the network conditions and environmental factors.
3. Specifications are subject to change without notice.

Packing List

- | | |
|-----------------------------------|-------------------------------|
| 1. Target H.265 Bullet Camera | 9. Screw for Mounting Kit x 3 |
| 2. Sun-Shield Cover | 10. Nut for Mounting Kit x 3 |
| 3. Screw for Sun-Shield Cover x 2 | 11. Hex Wrench |
| 4. Screw for Supporting Rack x 3 | 12. Download Guide |
| 5. Screw Anchor x 3 | 13. Warranty Card |
| 6. Silica Gel bag x 2 | |
| 7. Washer x 2 | |
| 8. Terminal Block | |

Note: The power adapter can be purchased upon request.

Accessories

Model No.	Name		Details
GV-Mount300-1	Convex Corner Adapter Kit		Dimensions: 238.6 x 395.2 x 210 mm (9.4" x 15.5" x 8.2") Weight: 4.27 kg (9.41 lb)
GV-Mount310-1	Concave Corner Adapter Kit		Dimensions: 111.2 x 369.9 x 210 mm (4.37" x 14.5" x 8.2") Weight: 2.96 kg (6.53 lb)
GV-Mount400-1	Pole Mount Bracket Kit (Ø 4" ~ 6")		Bracket: 68.4 x 240 x 163 mm (2.69" x 9.44" x 6.41") Weight: 1.70 kg (3.75 lb) Steel Strap Diameters: Ø 4" ~ 6"
GV-Mount410-1	Pole Mount Bracket Kit (Ø 6" ~ 7.5")		Bracket: 68.4 x 240 x 163 mm (2.69" x 9.44" x 6.41") Weight: 1.70 kg (3.75 lb) Steel Strap Diameters: Ø 6" ~ 7.5"
GV-PA191 PoE Adapter			Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57") Weight: 130 g (0.29 lb)
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.		