

## GV-BL3700 3MP H.265 Super Low Lux WDR Pro IR Bullet IP Camera



- 1/2.8" progressive super scan low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.265, H.264, and MJPEG
- Up to 30 fps at 2048 x 1536
- P-iris lens for auto iris control
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Day/Night function (with removable IR-cut filter)
- Intelligent IR
- IR distance up to 30 m (98.4 ft)
- Two-way audio
- One alarm input and sensor output
- Built-in micro SD card slot for local storage
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- 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.

### Introduction

GV-BL3700 is an outdoor camera for optimal day and night surveillance. The camera can support H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. For night operations, the camera allows up to 30 m (98.4 ft) IR effective distance. The camera is capable of not only providing a color live view in near darkness but also under contrasting light intensities using super low lux CMOS image sensor, and WDR pro. It also uses P-iris to produce images with better clarity and contrast.

### Active Tampering Alarm

Tampered



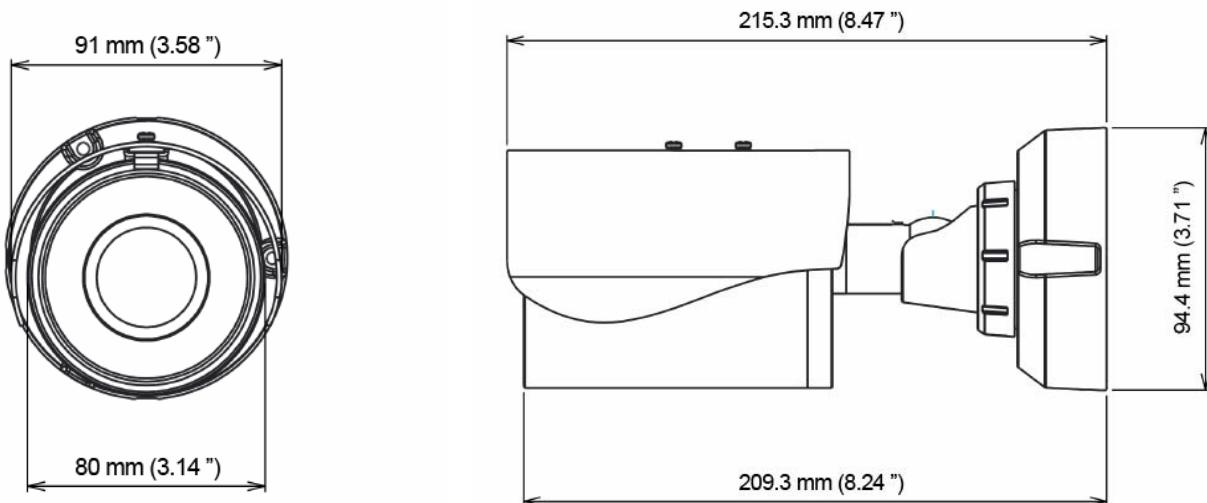
Focus Change



Camera Shift



## Dimensions



## Specifications

### Camera

Image Sensor	1/2.8" progressive scan CMOS						
Picture Elements	2048 (H) x 1536 (V)						
Minimum Illumination	<table border="1"> <tr> <td>Color</td><td>0.01 Lux</td></tr> <tr> <td>B/W</td><td>0.01 Lux</td></tr> <tr> <td>IR ON</td><td>0 Lux</td></tr> </table>	Color	0.01 Lux	B/W	0.01 Lux	IR ON	0 Lux
Color	0.01 Lux						
B/W	0.01 Lux						
IR ON	0 Lux						
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)						
White Balance	Automatic, Manual (2800K ~ 8500K)						
Gain Control	Automatic						
S/N Ratio	54 dB						
WDR Pro	Yes						
Dynamic Range	Up to 120dB						
BLC	Yes						

### Lens

Megapixel	Yes						
Focal Length	2.8 ~ 12 mm						
Day/Night	Yes (with removable IR-cut filter)						
Lens Type	Varifocal lens						
Maximum Aperture	F/1.7						
Mount	Ø 14 mm						
Image Format	1/2.7"						
Horizontal FOV	98° ~ 35°						
Operation	<table border="1"> <tr> <td>Focus</td><td>Manual (w/lock)</td></tr> <tr> <td>Zoom</td><td>Manual (w/lock)</td></tr> <tr> <td>Iris</td><td>P-Iris</td></tr> </table>	Focus	Manual (w/lock)	Zoom	Manual (w/lock)	Iris	P-Iris
Focus	Manual (w/lock)						
Zoom	Manual (w/lock)						
Iris	P-Iris						
Max. Torque (Focus/ Zoom Screws)	0.049 N.m						
IR LED Quantity	12 IR LEDs						
Max. IR Distance	30 m (98.4 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	30 fps at 2048 x 1536 (60/50 Hz) * The frame rate and performance may vary depending on the number of connections and data bit-rates (different scenes).
Image Setting	Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR Pro, Defog, Low Lux Enhancement, Denoise, Metering

Operation		
Audio Compression	G.711	
Audio Support	Two-Way Audio	
Sensor Input	1 Input (Dry Contact)	
Alarm Output	1 Digital Output (200 mA 5V DC)	
Video Resolution		
Main Stream	4 : 3	2048 x 1536 (Default), 1600 x 1200, 1280 x 960, 640 x 480
	16 : 9	1920 x 1080, 1280 x 720, 640 x 360
	5 : 4	1280 x 1024, 640 x 512,
Sub Stream	4 : 3	1024 x 768, 640 x 480 (Default), 320 x 240
	16 : 9	1280 x 720, 640 x 360, 448 x 256
	5 : 4	1280 x 1024, 640 x 512, 320 x 256
Network		
Interface	10/100 Ethernet	
Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA	
Mechanical		
Temperature Detector	Yes	
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	90° ~ 180°
	Rotate	0° ~ 360°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 Cable
	Audio	1 In (2-pin terminal block for microphone) 1 Out (2-pin terminal block for microphone)
	Digital I/O	4-pin terminal block
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card type is not supported.
LED Indicator	2 LEDS: Power, Status	
General		
Environment Temperature	Start-up	-20°C ~ 50°C (-4 °F ~ 122 °F)
	Operation	-30°C ~ 50°C (-22 °F ~ 122 °F)
Humidity	10% to 90% (no condensation)	
Power Source	12V DC / PoE (IEEE 802.3af)	
Max. Power Consumption	12.6 W	
Dimensions	215.3 x 91 x 94.4 mm (8.47 x 3.58 x 3.71")	
Weight	850 g (1.87 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	
PoE Power Output	Per Port 48V DC, 350 mA. 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, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, 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		
Network Storage	GV-Backup Center, GV-VMS	
Smart Device Access	GV-Eye for iOS and Android	
Live Viewing	Brower (IE, Chrome, Firefox, Safari), Mobile app	
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor	

**Note:**

1. Specifications are subject to change without prior notice.
2. Mind the following when using an inserted memory card for recording:
  - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
  - The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.
  - Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
  - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
  - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
  - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.
3. GV-Eye does not support H.265 video codec. Set the video codec to H.264 when connecting the camera with GV-Eye.

**Packing List**

1. H.265 Bullet Camera	8. Screw for Mounting Kit x 3
2. Sun-shield Cover	9. Nut for Mounting Kit x 3
3. Screw for Sun-shield Cover x 2	10. Hex Wrench
4. Washer x 2	11. RJ-45 Connector x 2
5. Screw for Supporting Rack x 3	12. GV-IPCAM Software DVD
6. Screw Anchor x 3	13. GV-Software DVD
7. Silica Gel Bag x 2	14. Warranty Card

**Accessories**

Model No.	Name	Details
GV-Mount300	Convex Corner Adapter Kit	Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount310	Concave Corner Adapter Kit	Dimensions: 123.3 x 393.1 mm (4.9" x 15.5") Weight: 2.96 kg (6.53 lb)
GV-Mount400	Pole Mount Bracket Kit (Ø 4" ~ 6")	Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg ( 3.75 lb) Steel Strap Diameter: Ø 4" ~ 6"
GV-Mount410	Pole Mount Bracket Kit (Ø 6" ~ 7.5")	Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: Ø 6" ~ 7.5"
GV-PA191 PoE Adapter	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.

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GV-Relay V2

GV-Relay V2



The GV-Relay V2 is designed to expand the voltage load of GV IP devices. It provides 4 relay outputs, and each can be set as normally open (NO) or normally closed (NC) independently as per your requirement.

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Power Adapter

Contact your sales representative for the countries and areas supported.

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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.

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