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

- 1/2.8″ progressive scan super 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 (SD/SDHC/SDXC/UHS-I) 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 clarify and contrast.
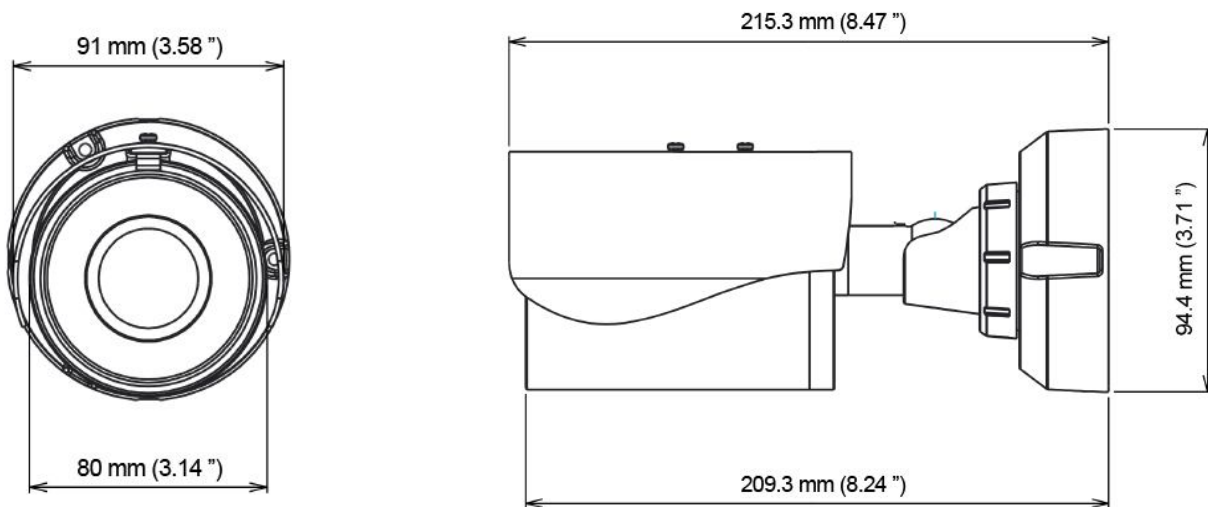
Active Tampering Alarm

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	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	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

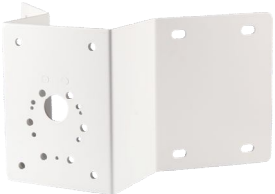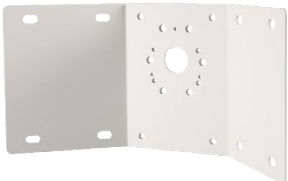| Application	
Network Storage	GV-Backup Center, GV-VMS
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	Brower (IE, Chrome, Firefox, Safari), Mobile app
CMS Server support	GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

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

Accessories

Model No. Name	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.
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.
Power Adapter	Contact your sales representative for the countries and areas supported.		
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.		