# GV-BL1501   1.3MP H.264 Super Low Lux WDR IR Bullet IP Camera

- 1.3 megapixel progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Intelligent IR
- IR distance up to 70 m (230 ft)
- P-Iris for auto iris adjustment
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Tolerant to extreme temperatures (-30°C ~ 50°C/-22°F ~ 122°F)
- One alarm input and sensor output
- Built-in micro SD card slot (SD/SDHC) for local storage
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- 2-way audio
- Wide Dynamic Range (WDR)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / AC 24V / PoE (IEEE 802.3af)
- Removable IR-cut filter for Day/Night function
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More storage option – NAS

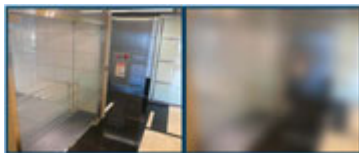\* No Memory Card Slot & local storage function for Argentina.

## Introduction

GV-BL1501 is an outdoor Bullet Camera which is able to provide a color live view in near darkness using its super low lux image sensor. The camera is also equipped with a P-Iris, which allows for precise control of exposure, producing images with better clarity and contrast.
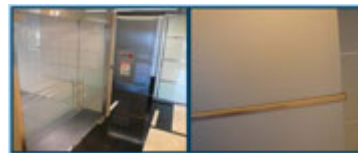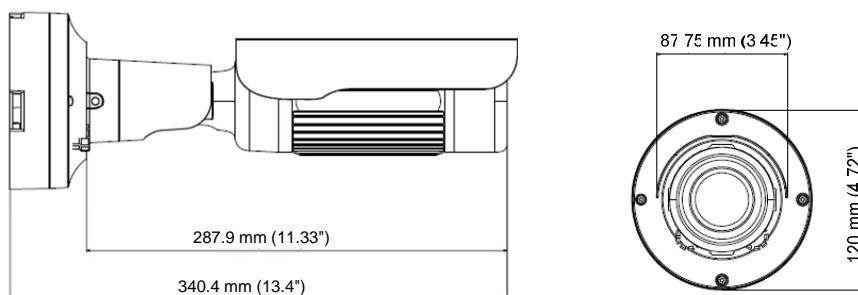
## Active Tampering Alarm

| Tampered | Focus Change | Camera Shift |
|----------|--------------|--------------|

## Dimensions



## Specifications

| Camera | | |
|---|---|---|
| Image Sensor | | 1/3" progressive scan super low lux CMOS |
| Picture Elements | | 1280 (H) x 1024 (V) |
| Minimum Illumination | Color 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 | | 55 dB |
| WDR | | Yes |
| **Lens** | | |
| Megapixel | | Yes |
| Focal Length | | 3 ~ 9 mm |
| Day/Night | | Yes (with removable IR-cut filter) |
| Lens Type | | Varifocal |
| Maximum Aperture | | F/1.2 |
| Mount | | Ø 14 mm |
| Image Format | | 1/2.7" |
| Horizontal FOV | | 90° ~ 32° |
| Operation | Focus | Manual (w/lock) |
| | Zoom | Manual (w/lock) |
| | Iris | P-Iris |
| Max. Torque (Focus/ Zoom Screws) | | 0.049 N.m |
| IR LED Quantity | | 16 IR LEDs |
| Max. IR Distance | | 70 m (230 ft) |
| **Operation** | | |
| Video Compression | | H.264, MJPEG |
| Video Stream | | Dual streams from H.264 and MJPEG |
| Frame Rate | | 30 fps at 1280 x 1024 (60/50 Hz) *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, Backlight Compensation, Shutter Speed, D/N Sensitivity, WDR, Defog, Super Low Lux, Denoise, Metering |
| Audio Compression | | G.711, AAC (optional) |
| 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 | 1280 x 960, 640 x 480, 320 x 240 |
| | 16 : 9 | 1280 x 720, 640 x 360, 448 x 252 |
| | 5 : 4 | 1280 x 1024 (Default), 640 x 512, 320 x 256 |
| Sub Stream | 4 : 3 | 640 x 480, 320 x 240 |
| | 16 : 9 | 640 x 360, 448 x 252 |
| | 5 : 4 | 640 x 512, 320 x 256 (Default) |

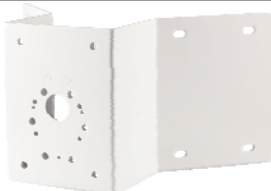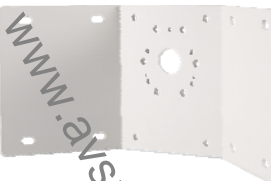| Network | | |
|---|---|---|
| Interface | | 10/100 Ethernet |
| Protocol | | DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA |
| **Mechanical** | | |
| Temperature Detector | | Yes |
| Camera Angle Adjustment | Pan | 0° ~ 360° |
| | Tilt | 90° ~ 180° |
| | Rotate | 0° ~ 360° |
| Connectors | Power | 2-pin terminal block, PoE |
| | Ethernet | RJ-45 |
| | Audio | 1 In (3.5 mm / 0.14" phone jack for microphone)<br>1 Out (3.5 mm / 0.14" Stereo phone jack for speaker) |
| | Digital I/O | 3-pin terminal block, pitch 2.5 mm / 0.1" |
| Connectors | Local Storage | Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10)<br>*SDXC and UHS-I card types are not supported. |
| **General** | | |
| Environment Temperature | | -30°C ~ 50 °C (-22 °F ~ 122 °F) |
| Humidity | | 10% to 90% (no condensation) |
| Power Source | | 12V DC / 24V AC / PoE (IEEE 802.3af) |
| Max. Power Consumption | | 7.68 W |
| Dimensions | | 340.4 x 87.75 x 120 mm (13.4" x 3.45" x 4.72") |
| Weight | | 1.91 kg (4.21 lb) |
| Ingress Protection | | IP67 |
| Vandal Resistance | | IK10 for metal casing |
| Regulatory | | CE, FCC, RCM, 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-System (GV-DVR/NVR), GV-Recording Server, GV-VMS |
| Smart Device Access | | GV-Eye for iOS and Android |
| Live Viewing | | IE, mobile phone |
| 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.

## Packing List

1. Bullet Camera
2. Self Tapping Screw x 3
3. Plastic Screw Anchor x 3
4. Torx Wrench x 3
5. Sun-Shield Cover Kit (1 Sun-Shield Cover, 2 Philips Head Screws, 2 Plastic Screw Spacers and 2 Hexagon Screws included)
6. Silica Gel Bag x 2
7. 2-Pin Terminal Block
8. 3-Pin Terminal Block

9. Power Adapter
10. Installation Sticker
11. Ruler
12. Stand Kit (Conduit Converter, PG21 Conduit Connector, RJ-45 Connector, M3 Screw x 2, Cable Tie)
13. Mounting Kit (M4 Screw x 3, Nut x 3, Plate x 3)
14. GV-IPCAM H.264 Software DVD
15. GV-NVR Software DVD
16. Warranty Card

**Note:** The power adapter can be excluded upon request.

## 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. | | |