

## GV-BL1500 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.)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Tolerant to extreme temperatures (-30°C ~ 50°C/-22°F ~ 122°F)
- Cable-concealed bracket preventing cable from being cut
- One alarm input and sensor output
- Built-in micro SD card slot (SD/SDHC) for local storage
- 2-way audio
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- IP address filtering
- DC 12V / AC 24V / PoE
- Removable IR-cut filter for Day/Night function
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

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

### Introduction

The Bullet Camera is specifically designed for outdoors. It adheres to the IP67 standard and has full protection against dust and jets of water. The camera is equipped with a super low lux image sensor, which allows the camera to provide a color live view in near darkness.

### Active Tampering Alarm

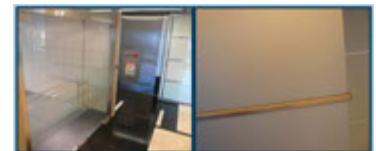
Tampered



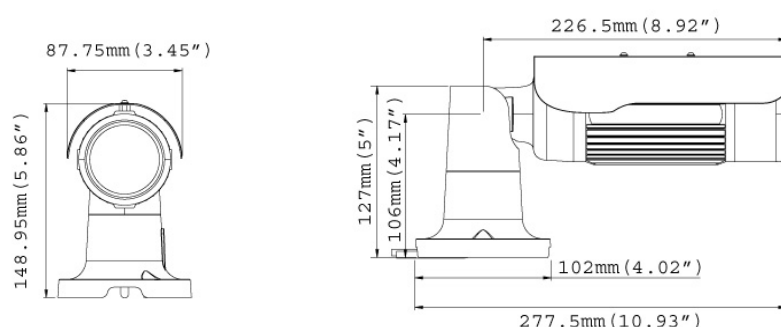
Focus Change



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        | DC Drive                                                                                                                                                                              |
| 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 (SXGA)<br>*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 |
| Audio Compression                |             | G.711, AAC (optional)                                                                                                                                                                 |
| Audio Support                    |             | Two-Way Audio                                                                                                                                                                         |
| Sensor Input                     |             | 1 Input (Dry Contact)                                                                                                                                                                 |
| Alarm Output                     |             | 1 Digital Output (200mA 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, 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                                                                                                                                                                  |
| 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 (RCA female for microphone)<br>1 Out (RCA female for speaker)                                                                                                                    |
|                                  | Digital I/O | I/O Wires                                                                                                                                                                             |

|                            |                            |                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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.                                                                                                                                                                                                                                     |
| <b>General</b>             |                            |                                                                                                                                                                                                                                                                                                                                                  |
| Environment Temperature    |                            | -30°C ~ 50 °C (-22 °F ~ 122 °F)                                                                                                                                                                                                                                                                                                                  |
| Humidity                   |                            | 10% to 90% (no condensation)                                                                                                                                                                                                                                                                                                                     |
| Power Source               |                            | 12V DC / 24V AC / PoE                                                                                                                                                                                                                                                                                                                            |
| Max. Power Consumption     |                            | 7.68 W                                                                                                                                                                                                                                                                                                                                           |
| Dimensions                 | Camera Body                | 277.5 x 87.75 x 148.95 mm (10.9" x 3.45" x 5.86")                                                                                                                                                                                                                                                                                                |
|                            | Cable Length               | 1 m (3.28 ft.)                                                                                                                                                                                                                                                                                                                                   |
|                            | Maximum Cable Diameter     | ø 7.1 mm (0.28")                                                                                                                                                                                                                                                                                                                                 |
|                            | Maximum Connector Diameter | ø 25.2 mm (0.99")                                                                                                                                                                                                                                                                                                                                |
| Weight                     |                            | 1.4 kg (3.08 lb)                                                                                                                                                                                                                                                                                                                                 |
| Ingress Protection         |                            | IP67                                                                                                                                                                                                                                                                                                                                             |
| Vandal Resistance          |                            | IK10 for metal casing                                                                                                                                                                                                                                                                                                                            |
| Regulatory                 |                            | CE, FCC, RCM, RoHS compliant                                                                                                                                                                                                                                                                                                                     |
| <b>Power over Ethernet</b> |                            |                                                                                                                                                                                                                                                                                                                                                  |
| PoE Standard               |                            | IEEE 802.3af Power over Ethernet / PD                                                                                                                                                                                                                                                                                                            |
| PoE Power Supply Type      |                            | End-Span                                                                                                                                                                                                                                                                                                                                         |
| PoE Power Output           |                            | Per Port 48V DC, 350mA. Max. 15.4 watts                                                                                                                                                                                                                                                                                                          |
| <b>Web Interface</b>       |                            |                                                                                                                                                                                                                                                                                                                                                  |
| 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, 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 |
| <b>Application</b>         |                            |                                                                                                                                                                                                                                                                                                                                                  |
| Network Storage            |                            | GV-NVR, GV-System, GV-Backup Center, GV-Recording Server                                                                                                                                                                                                                                                                                         |
| Smart Device Access        |                            | GV-Eye for Android smartphone, tablet, iPhone and iPod Touch<br>GV-Eye HD for iPad                                                                                                                                                                                                                                                               |
| Live Viewing               |                            | IE, mobile phone                                                                                                                                                                                                                                                                                                                                 |
| CMS Server support         |                            | GV-Control Center, GV-Center V2, GV-VSM                                                                                                                                                                                                                                                                                                          |

**Note:** Specifications are subject to change without prior notice.

## Packing List

- |                                                                                                                            |                                     |
|----------------------------------------------------------------------------------------------------------------------------|-------------------------------------|
| 1. Bullet Camera                                                                                                           | 7. Silica Gel Bag x 2               |
| 2. Lens (Megapixel and Built-In 16 IR LEDs)                                                                                | 8. 2-Pin Terminal Block             |
| 3. Self Tapping Screw x 3                                                                                                  | 9. GV-IPCAM H.264 Quick Start Guide |
| 4. Plastic Screw Anchor x 3                                                                                                | 10. GV-IPCAM H.264 Software CD      |
| 5. Torx Wrench x 2                                                                                                         | 11. GV-NVR Quick Start Guide        |
| 6. Sun-Shield Cover Kit (1 Sun-Shield Cover, 2 Philips Head Screws, 2 Plastic Screw Spacers and 2 Hexagon Screws included) | 12. GV-NVR Software DVD             |

## Accessories

| Model No.            | Name                                                                                                                                                                                     |                                                                                     | Details                                                                                                                                                                                                               |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount300          | Convex Corner Adapter Kit                                                                                                                                                                |    | <p>Dimensions: 238.6 x 409.5 mm (9.4" x 16.1")</p> <p>Weight: 4.27 Kg (9.41 lb)</p>                                                                                                                                   |
| GV-Mount310          | Concave Corner Adapter Kit                                                                                                                                                               |    | <p>Dimensions: 238.6 x 409.5 mm (9.4" x 16.1")</p> <p>Weight: 4.27 Kg (9.41 lb)</p>                                                                                                                                   |
| GV-Mount400          | Pole Mount Bracket Kit<br>(Ø 4" ~ 6")                                                                                                                                                    |    | <p>Dimensions</p> <p>Bracket: 241 x 161 mm (9.5" x 6.3")</p> <p>Weight: 1.70 Kg ( 3.75 lb)</p> <p>Steel Strap Diameter: Ø 4" ~ 6"</p>                                                                                 |
| GV-Mount410          | Pole Mount Bracket Kit<br>(Ø 6" ~ 7.5")                                                                                                                                                  |   | <p>Dimensions</p> <p>Bracket: 241 x 161 mm (9.5" x 6.3")</p> <p>Weight: 1.70 Kg (3.75 lb)</p> <p>Steel Strap Diameter: Ø 6" ~ 7.5"</p>                                                                                |
| GV-PA191 PoE Adapter | Power over Ethernet (PoE) Adapter                                                                                                                                                        |  | <p>The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p>                                                                                |
| GV-Relay V2          | GV-Relay V2                                                                                                                                                                              |  | <p>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.</p> |
| Power Adapter        | Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.                                                                                                            |                                                                                     |                                                                                                                                                                                                                       |
| 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. |                                                                                     |                                                                                                                                                                                                                       |