

## GV-EBL3101 3MP H.264 Super Low Lux WDR Pro IR Bullet IP Camera



- 1/2.8" progressive scan super low lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 2048 x 1536
- Intelligent IR
- Day and Night function (with removable IR-cut filter)
- Megapixel lens
- P-iris lens for auto iris control
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- 3D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- 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

### Introduction

The Target Bullet Camera is a light-weighted camera designed for outdoor environments. It adheres to the IP67 standard and has full protection against dust and jets of water. The camera also allows automatic and precise control of exposure using its P-iris, producing images with better clarity and contrast. The camera offers an entry-level surveillance solution with all the essential features and excellent image quality.

### Active Tampering Alarm

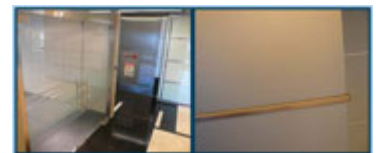
Tampered



Focus Change

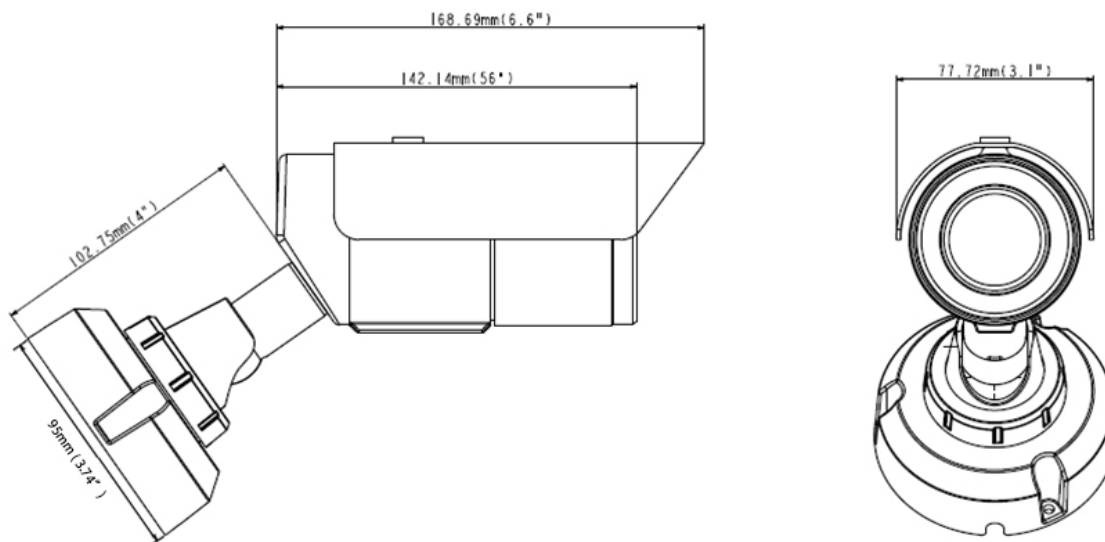


Camera Shift



## Overview

## Dimensions



## Specifications

| Camera                               |       |                                                                                                                                                                                                 |
|--------------------------------------|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Image Sensor                         |       | 1/2.8" progressive scan super low lux 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 (1/30 ~ 1/16000 sec.)                                                                                                                                                         |
| White Balance                        |       | Automatic, manual (2800K ~ 8500K)                                                                                                                                                               |
| Gain Control                         |       | Automatic                                                                                                                                                                                       |
| S/N Ratio                            |       | 54 dB                                                                                                                                                                                           |
| WDR Pro                              |       | Yes                                                                                                                                                                                             |
| Dynamic Range                        |       | Up to 120 dB                                                                                                                                                                                    |
| Lens                                 |       |                                                                                                                                                                                                 |
| Megapixel                            |       | Yes                                                                                                                                                                                             |
| Day/Night                            |       | Yes (with removable IR-cut filter)                                                                                                                                                              |
| Lens Type                            |       | Varifocal lens                                                                                                                                                                                  |
| Focal Length                         |       | 2.8 ~ 12 mm                                                                                                                                                                                     |
| Maximum Aperture                     |       | F/1.7                                                                                                                                                                                           |
| Mount                                |       | Ø14 mm                                                                                                                                                                                          |
| Horizontal FOV                       |       | 96° ~ 36°                                                                                                                                                                                       |
| Image Format                         |       | 1/2.7"                                                                                                                                                                                          |
| Operation                            | Focus | Manual (w/lock)                                                                                                                                                                                 |
|                                      | Zoom  | Manual (w/lock)                                                                                                                                                                                 |
|                                      | Iris  | P-Iris                                                                                                                                                                                          |
| Maximum Torque (Focus / Zoom Screws) |       | 0.049 N.m                                                                                                                                                                                       |
| IR LED Quantity                      |       | 24 IR LEDs                                                                                                                                                                                      |
| Max. IR Distance                     |       | 60 m (196.85 ft)                                                                                                                                                                                |
| Operation                            |       |                                                                                                                                                                                                 |
| Video Compression                    |       | H.264, MJPEG                                                                                                                                                                                    |
| Video Stream                         |       | Dual streams from H.264 and MJPEG                                                                                                                                                               |
| Frame Rate                           |       | 30 fps at 2048 x 1536 (60/50 Hz)<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, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR Pro, Defog, Low Lux Enhancement |
| Audio Support                        |       | N/A                                                                                                                                                                                             |

| 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                                                                                                                                                                                                                                                                                                                          |
|                         | 5 : 4     | 1280 x 1024, 640 x 512                                                                                                                                                                                                                                                                                                                           |
| Sub Stream              | 4 : 3     | 640 x 480 (Default), 320 x 240                                                                                                                                                                                                                                                                                                                   |
|                         | 16 : 9    | 640 x 360                                                                                                                                                                                                                                                                                                                                        |
|                         | 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 (DC 12V, 1.25A), PoE                                                                                                                                                                                                                                                                                                        |
|                         | Ethernet  | Ethernet (10/100 Base-T), RJ-45 cable                                                                                                                                                                                                                                                                                                            |
| 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  |           | 8.2 W                                                                                                                                                                                                                                                                                                                                            |
| Dimensions              |           | 142.14 x 77.72 x 102.75 mm (5.6" x 3.06" x 4.05")                                                                                                                                                                                                                                                                                                |
| Weight                  |           | 810 g (1.79 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 and 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, 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-DVR / NVR / VMS, GV-Recording Server                                                                                                                                                                                                                                                                                                          |
| Smart Device Access     |           | GV-Eye for iOS and Android                                                                                                                                                                                                                                                                                                                       |
| Live Viewing            |           | Browser (IE, Chrome, Firefox, Safari), Mobile app                                                                                                                                                                                                                                                                                                |
| CMS Server support      |           | GV-Control Center, GV-Center V2, GV-Vital Sign Monitor                                                                                                                                                                                                                                                                                           |

#### Note:

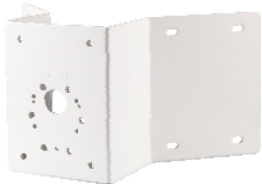
- The signal range and data throughput may vary depending on the network conditions and environmental factors.
- Specifications are subject to change without notice.

### Packing List

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

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

## Accessories

| Name                                                                                                                                       | Details                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount300 Convex Corner Adapter Kit<br>                 | Dimensions: 238.6 x 409.5 mm (9.4" x 16.1")<br>Weight: 4.27 kg (9.41 lb)                                                                                                                 |
| GV-Mount310 Concave Corner Adapter Kit<br>                | Dimensions: 123.3 x 393.1 mm (4.9" x 15.5")<br>Weight: 2.96 kg (6.53 lb)                                                                                                                 |
| GV-Mount400 Pole Mount Bracket Kit<br>(Ø 4" ~ 6")<br>    | Bracket: 241 x 161 mm (9.5" x 6.3")<br>Weight: 1.70 kg (3.75 lb)<br>Steel Strap Diameter: Ø 4" ~ 6"                                                                                      |
| GV-Mount410 Pole Mount Bracket Kit<br>(Ø 6" ~ 7.5")<br> | Bracket: 241 x 161 mm (9.5" x 6.3")<br>Weight: 1.70 kg (3.75 lb)<br>Steel Strap Diameter: Ø 6" ~ 7.5"                                                                                    |
| GV-PA191 PoE Adapter<br>                                | Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")<br>Weight: 130 g (0.29 lb)                                                                                               |
| Power Adapter                                                                                                                              | Contact our sales representatives 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. |