## GV-BL2400   2MP H.264 WDR Pro IR Bullet IP Camera

- 2 megapixel progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Intelligent IR
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Cable-concealed bracket preventing cable from being cut
- One alarm input and sensor output
- Memory Card Slot
- 2-way audio
- Wide Dynamic Range Pro (WDR Pro)
- 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 conformant

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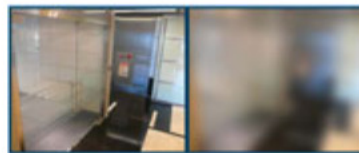
### Introduction

The GV-BL2400 is specifically designed for outdoors. It adheres to the IP67 standard and has full protection against dust and jets of water. The camera features WDR Pro and IR LEDs for night vision applications.
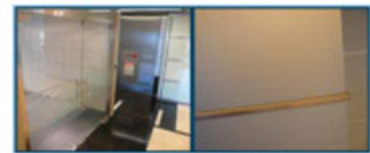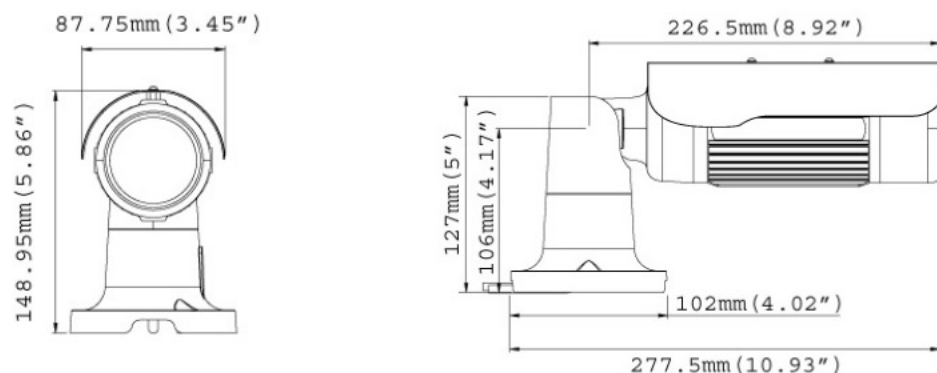
### Active Tampering Alarm

Tampered

Focus Change

Camera Shift

### Dimensions

87.75mm (3.45″)

148.95mm (5.86″)

226.5mm (8.92″)

127mm (5″)

106mm (4.17″)

102mm (4.02″)

277.5mm (10.93″)

## Specifications

### Camera

| | | |
|---|---|---|
| Image Sensor | | 1/3.2" progressive scan CMOS " |
| Picture Elements | | 1920 (H) x 1080 (V) |
| Minimum Illumination | Color | 0.08 Lux at F/1.2 |
| | B/W | 0 Lux at F/1.2 |
| | IR ON | |
| Shutter Speed | | Automatic, Manual (1/5 ~ 1/8000 sec.) |
| White Balance | | Automatic, Manual (2800K ~ 8500K) |
| Gain Control | | Automatic |
| S/N Ratio | | 47 dB |
| BLC | | Yes |
| WDR Pro | | Yes (with WDR sensor) |

### 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" |
| 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 | | 15 m (50 ft.) |

### Operation

| | |
|---|---|
| Video Compression | H.264, MJPEG |
| Video Stream | Dual streams from H.264 and MJPEG |
| Frame Rate | 30 fps at 1920 x 1080<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 |
| Audio Compression | G.711 |
| Two-way Audio | Yes |
| Sensor Input | 1 Input (Dry Contact) |
| Alarm Output | 1 Digital Output (200mA 5V DC) |

### Video Resolution

| | | |
|---|---|---|
| Main Stream | 4 : 3 | 1600 x 1200, 1280 x 960, 640 x 480, 320 x 240 |
| | 16 : 9 | 1920 x 1080, 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 | HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF |

### 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 Wire |
| | Auto Iris | DC Drive |

## Mechanical

| Connectors | Local Storage | Micro SD/SDHC/SDXC memory card slot (for Class 6 card or above) |
|---|---|---|
| | TV-Out | None |

## General

| 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 | 7.2 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 | 1.35 kg (2.98 lb) |
| Ingress Protection | IP67 |
| Vandal Resistance | IK10 for metal casing |
| Regulatory | CE, FCC, C-Tick, RoHS compliant |

## Power over Ethernet

| 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 |

## 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 |
| 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-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.

## Accessories

| Name | Details |
|------|---------|
| <br>GV-PA191 PoE Adapter | Weight: 130 g (0.29 lb)<br><br>Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57") |
| <br>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 | Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe. |