

## GV-FD1210 1.3MP H.264 3x zoom Low Lux WDR IR Fixed IP Dome



- 1/3" progressive scan Low Lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- 3-axis mechanism (pan / tilt / roll)
- Motorized varifocal lens for remote focus/zoom adjustment
- Intelligent IR
- 2-way audio
- One sensor input and alarm output
- TV-out support
- Built-in Micro SD (SDHC / SDXC) card slot for local storage
- DC 12V / AC 24V / PoE
- Wide Dynamic Range (WDR)
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Removable IR-cut filter for Day/Night function
- IP address filtering
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

\* No Memory card slot & local storage function for Argentina.

### Active Tampering Alarm

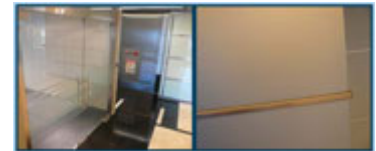
Tampered



Focus Change



Camera Shift



### Introduction

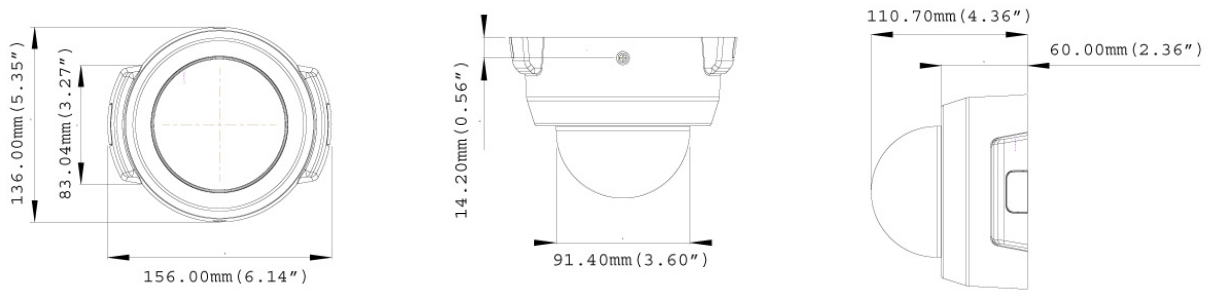
The GV-FD1210 is an indoor camera designed with 3-axis mechanism for easy and flexible installation. The Fixed IP Dome contains an automatic IR-cut filter and IR LEDs for night surveillance. With the motorized varifocal lens, the camera allows the user to remotely adjust the zoom and focus through the Web interface. The camera can be installed on various types of locations including wall surface, wall corner, pole and ceiling using optional accessories.

### Overview

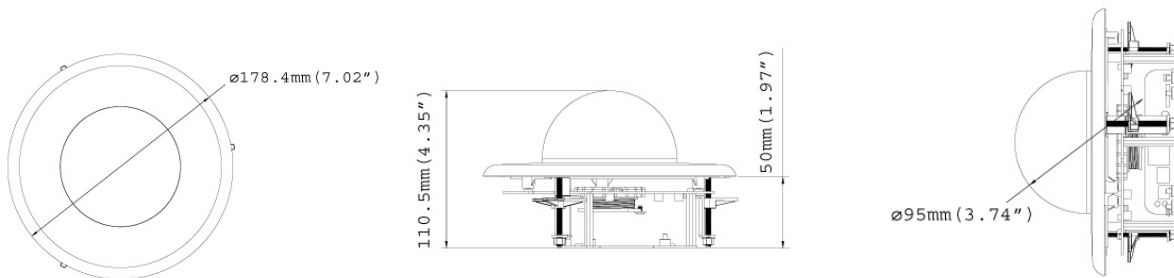


## Dimensions

### Hard-Ceiling Mount



### In-Ceiling Mount



## Specifications

| Camera                           |  |                   |
|----------------------------------|--|-------------------|
| Image Sensor                     | 1/3" progressive scan low lux CMOS   |                   |
| Picture Elements                 | 1280 (H) x 1024 (V)  |                   |
| Minimum Illumination             | Color  | 0.05 Lux at F/1.2 |
|                                  | B/W<br>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                        | 50 dB  |                   |
| BLC                              | Yes  |                   |
| Lens                             |  |                   |
| Megapixel                        | Yes  |                   |
| Day/Night                        | Yes (with removable IR-cut filter)   |                   |
| Lens Type                        | Motorized varifocal lens   |                   |
| Focal Length                     | 3 ~ 9 mm   |                   |
| Maximum Aperture                 | F/1.2  |                   |
| Mount                            | $\phi 14\text{ mm}$  |                   |
| Image Format                     | 1/2.7"   |                   |
| Operation                        | Focus  | Auto Focus        |
|                                  | Zoom   | 3X Optical Zoom   |
|                                  | Iris   | DC drive          |
| Max. Torque (Focus/ Zoom Screws) | 0.049 N.m  |                   |
| IR LED Quantity                  | 10 IR LEDs   |                   |
| Max. IR Distance                 | 15 m (50 ft.)  |                   |
| Operation                        |  |                   |
| Video Compression                | H.264, MJPEG   |                   |
| Video Streaming                  | Dual streams from H.264 and MJPEG  |                   |
| Frame Rate                       | 30 fps at 1280 x 1024  |                   |
|                                  | * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).                                 |                   |
| Image Setting                    | Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR, Defog |                   |

| Operation               |               |  |
|-------------------------|---------------|--|
| Audio Compression       |               | G.711  |
| Two-way Audio           |               | Yes  |
| Sensor Input            |               | 1 Input (Dry Contact)  |
| Alarm Output            |               | 1 Output (200mA 5V DC)   |
| Video Resolution        |               |  |
| Main Stream             | 4:3           | 1280 x 960   |
|                         | 16:9          | 1280 x 720   |
|                         | 5:4           | 1280 x 1024  |
| 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  |
| Ethernet Protocol       |               | HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)  |
| Mechanical              |               |  |
| Camera Angle Adjustment | Pan           | 0° ~ 350°  |
|                         | Tilt          | 10° ~ 90°  |
|                         | Rotation      | 0° ~ 340°  |
| Temperature Detector    |               | Yes  |
| Mechanical              |               |  |
| Connectors              | Power         | 2-pin terminal block, PoE  |
|                         | Ethernet      | Ethernet (10/100 Base-T), RJ-45 cable  |
|                         | Audio         | 1 In microphone phone jack, 3.5 mm (0.14")<br>1 Out Stereo phone jack, 3.5 mm (0.14")  |
|                         | Digital I/O   | 3-pin terminal block, pitch 2.5 mm (0.1")  |
|                         | Local Storage | Micro SD memory card slot (SDHC / SDXC for Class 6 card or above)  |
|                         | TV-Out        | BNC connector (640 x 480 resolution)   |
| LED Indicator           |               | 2 LEDs: Power, Status  |
| General                 |               |  |
| Environment Temperature |               | 0 °C ~ 50 °C (32 °F ~ 122 °F)  |
| Humidity                |               | 10% to 90% (no condensation)   |
| Power Source            |               | 12V DC / 24V AC / PoE  |
| Max. Power Consumption  |               | 12 W   |
| Dimensions              |               | ø 155 x 110 mm (6.1" x 4.33")  |
| Weight                  |               | 580 g (1.28 lb)  |
| Vandal Resistance       |               | IK7  |
| 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, 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 |

| Applications        |   |
|---------------------|---|
| 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:**

1. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
2. Specifications are subject to change without notice.

**Accessories**

| Model No.   | Name                                   |  | Details  |
|-------------|--|--|--|
| GV-Mount100 | Straight Tube and Junction Box Kit     |    | Dimensions: 200 x 170 x 257.5 mm<br>(7.9" x 6.7" x 10.1")<br>Weight: 3.17 Kg (6.99 lb) |
| GV-Mount101 | Straight Tube Kit                      |   | Dimensions: 219 x 125 x 332 mm<br>(8.6" x 4.9" x 13.1")<br>Weight: 1.8 Kg (3.97 lb)    |
| GV-Mount200 | Wall Pendant Tube                      |  | Dimensions: 225 x 140 x 250 mm<br>(8.9" x 5.5" x 9.8")<br>Weight: 900 g (1.98 lb)      |
| GV-Mount203 | Wall Pendant Tube and Junction Box Kit |  | Dimensions: 315 x 195.5 x 225 mm<br>(12.4" x 7.7" x 8.9")<br>Weight: 2.95 Kg (6.5 lb)  |
| GV-Mount300 | Convex Corner Adapter Kit              |  | Dimensions: 238.6 x 409.5 mm<br>(9.4" x 16.1")<br>Weight: 4.27 Kg (9.41 lb)            |
| GV-Mount310 | Concave Corner Adapter Kit             |  | Dimensions: 238.6 x 409.5 mm<br>(9.4" x 16.1")<br>Weight: 4.27 Kg (9.41 lb)            |

| Model No.    | Name                                    |  | Details   |
|--------------|---|--|---|
| GV-Mount400  | Pole Mount Bracket Kit<br>(Ø 4" ~ 6")   |    | 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") |    | 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-Mount702  | Extension Tube                          |   | Four options are available.<br>Dimensions:<br>Ø 5.4 x 10 or 20 or 30 or 50 cm<br>(Ø 2.1" x 3.9" or 7.9" or 11.8" or 19.7")<br>Weight:<br>180 g or 390 g or 550 g or 800 g<br>(0.4 lb or 0.86 lb or 1.21lb or 1.76 lb) |
| GV-Mount900  | Wall Mount Bracket                      |  | Dimensions: 154 x 108 x 50 mm<br>(6.1" x 4.3" x 2")   |
| GV-Mount902  | GV-FD Series Dome Housing               |  | Dimensions: Ø 186 x 97.5 mm<br>(Ø 7.3" x 3.8")<br>Weight: 600 g (1.32 lb)   |
| 41-81053-HK2 | Smoked Cover                            |  | Dimensions:<br>Ø 103.7 x 55 mm (4.08" x 2.16")<br>Weight: 30g (0.07 lb)<br>Vandal Resistance: IK7   |
| GV-PA191     | 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.   |

| Model No.     | Name  | Details  |
|---------------|---|--|
| 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. |  |