

## GV-EFD3101 3MP H.264 Super Low Lux WDR Pro IR Fixed IP Dome



- 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 varifocal lens
- P-Iris lens for auto Iris control
- IR distance up to 50 m (164 ft)
- 3-axis mechanism (pan / tilt / rotate)
- DC 12V / PoE (IEEE 802.3af)
- Two-way audio
- 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
- More storage option - [NAS](#)

### Introduction

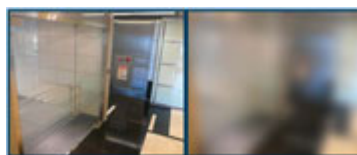
The Target Fixed Dome is an indoor, fixed network camera equipped with a WDR Pro, an automatic IR-cut filter, Super Low Lux, IR LEDs for day and night surveillance. Adjustable in 3 axis (pan, tilt and rotate), it offers a surveillance solution with all the essential features and excellent image quality.

### Active Tampering Alarm

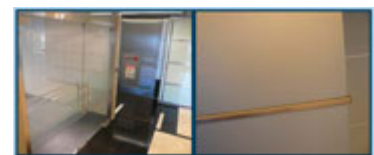
Tampered



Focus Change

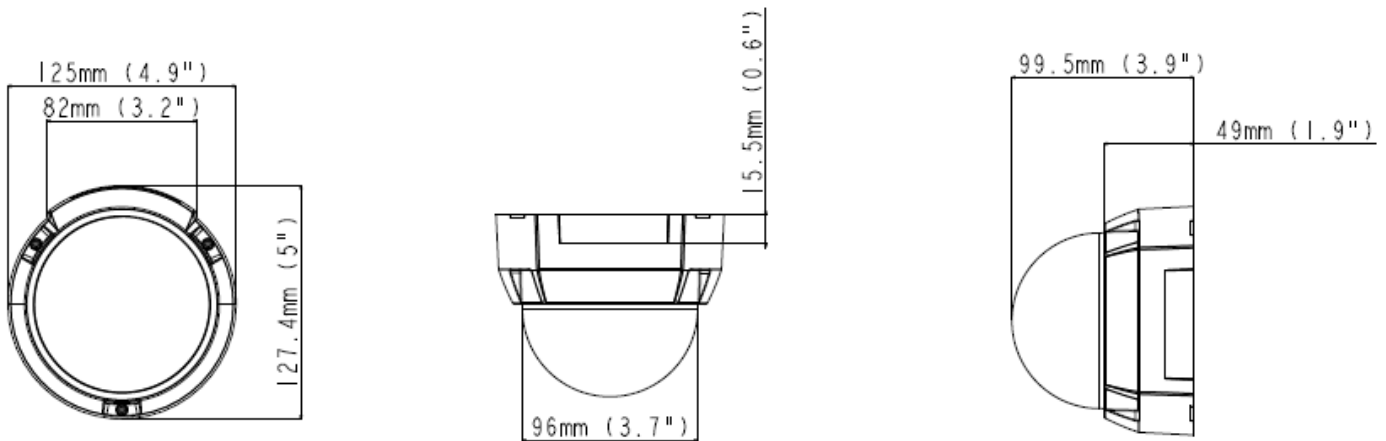


Camera Shift

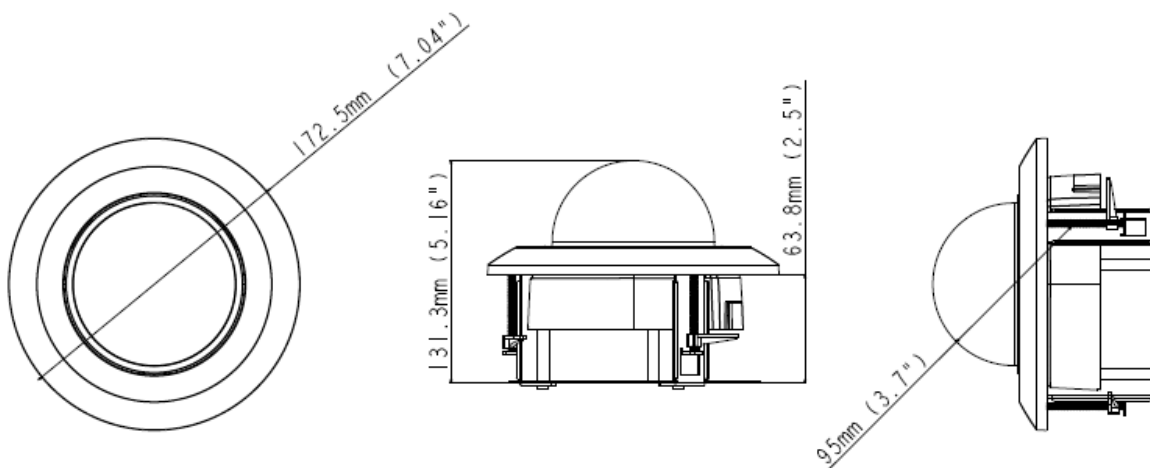


## Dimensions

### Hard-Ceiling Mount



### In-Ceiling Mount



## Specifications

| PC Requirements      |       |  |
|----------------------|-------|--|
| CPU                  |       | Intel Core i5-4670 @ 3.40GHz   |
| Memory               |       | DDR3 4GB RAM   |
| On Board Graphics    |       | Intel HD Graphics 4600 (Versions of driver from year 2014 or later required) |
| 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 (1/5 ~ 1/8000 sec.)  |
| White Balance        |       | Automatic, Manual (2800K ~ 8500K)  |
| Gain Control         |       | Automatic  |
| S/N Ratio            |       | 54 dB  |
| WDR                  |       | Yes  |
| Dynamic Range        |       | Up to 100 dB   |
| Lens                 |       |  |
| Megapixel            |       | Yes  |
| Day/Night            |       | Yes (with removable IR-cut filter)   |

|                                   |                  |                 |
|-----------------------------------|------------------|-----------------|
| Focal Length                      | 3 ~ 9 mm         |                 |
| Lens Type                         | Varifocal        |                 |
| Maximum Aperture                  | F/1.7            |                 |
| Mount                             | Ø14 mm           |                 |
| Horizontal FOV                    | 96° ~ 36°        |                 |
| Image Format                      | 1/2.8"           |                 |
| Operation                         | Focus            | Manual (w/lock) |
|                                   | Zoom             | Manual (w/lock) |
|                                   | Iris             | P-Iris          |
| Max. Torque (Focus / Zoom Screws) | 0.049 N.m        |                 |
| IR LED Quantity                   | 20 IR LEDs       |                 |
| Max. IR Distance                  | 50 m (164.04 ft) |                 |

#### Operation

|                   |   |
|-------------------|---|
| Video Compression | H.264, MJPEG  |
| Video Streaming   | Dual streams from H.264 and MJPEG   |
| Frame Rate        | 30 fps at 2048 x 1536<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, Defog, Low Lux Enhancement |
| Audio Compression | G.711, AAC (Optional)   |
| Audio Support     | Two-way Audio   |

#### Video Resolution

|             |      |  |
|-------------|------|--|
| Main Stream | 4:3  | 2048 x 1536, 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  | 960 x 720, 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 | 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° ~ 350°   |
|                         | Tilt                  | 0° ~ 75°  |
|                         | Rotate                | 0° ~ 340°   |
| 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") |
|                         | TV-Out                | BNC connector (D1 resolution)   |
| LED Indicator           | 2 LEDs: Power, Status |   |

#### General

|                         |                                |                               |
|-------------------------|--------------------------------|-------------------------------|
| Environment Temperature | Start-up                       | 0 °C ~ 50 °C (32 °F ~ 122 °F) |
|                         | Operation                      |                               |
| Humidity                | 10% to 90% (no condensation)   |                               |
| Power Source            | 12V DC / PoE (IEEE 802.3af)    |                               |
| Max. Power Consumption  | 5.8 W                          |                               |
| Dimension               | ø 125 x 99.5 mm (4.92 x 3.92") |                               |
| Weight                  | 470 g (1.04 lb)                |                               |
| 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, 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, Audio, Picture in Picture, Picture and Picture, Privacy Mask, 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-System (GV-DVR/NVR), GV-Recording Server, GV-VMS    |
| Smart Device Access | GV-Eye for iOS and Android                             |
| Live Viewing        | IE, Mobile App   |
| CMS Server support  | GV-Control Center, GV-Center V2, GV-Vital Sign Monitor |

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


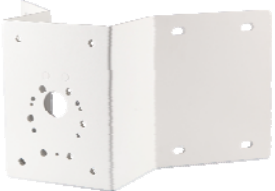





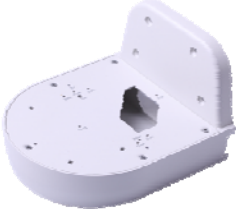
### Packing List






- |                      |                                |
|----------------------|--------------------------------|
| 1. Target Fixed Dome | 6. Installation Sticker        |
| 2. Screw x 3         | 7. GV-IPCAM H.264 Software DVD |
| 3. Screw Anchor x 3  | 8. GV-NVR Software DVD         |
| 4. Torx Wrench       | 9. Warranty Card               |
| 5. TV-Out Wire       |                                |

**Note:** Power adapters can be purchased upon request.

### Accessories

| Model No.   | Name                               |   | Details   |
|-------------|------------------------------------|---|---|
| GV-Mount100 | Straight Tube and Junction Box Kit |  | Dimensions: 200 x 170 x 257.5 mm (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 (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 (8.9 x 5.5 x 9.8")<br>Weight: 900 g (1.98 lb)      |

|             |  |  |   |
|-------------|--|--|---|
| GV-Mount203 | Wall Pendant Tube and Junction Box Kit |         | <p>Dimensions: 315 x 195.5 x 225 mm (12.4 x 7.7 x 8.9")</p> <p>Weight: 2.95 kg (6.5 lb)</p>   |
| 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: 123.3 x 393.1 mm (4.9 x 15.5")</p> <p>Weight: 2.96 kg (6.53 lb)</p>  |
| GV-Mount400 | Pole Mount Bracket Kit (Ø 4 ~ 6")      |   | <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 (Ø 6 ~ 7.5")    |  | <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-Mount702 | Extension Tube                         |       | <p><b>Four</b> options are available.</p> <p>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")</p> <p>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)</p> |
| GV-Mount900 | Wall Mount Bracket                     |       | <p>Dimensions: 154 x 108 x 50 mm (6.1 x 4.3 x 2")</p> <p>Weight: 240 g (0.53 lb)</p>  |
| GV-Mount909 | Wall Box Mount                         |       | <p>Dimensions: 170 x 150 x 110 mm (6.7 x 5.9 x 4.3")</p> <p>Weight: 610 g (1.34 lb)</p>   |

|                      |  |   |   |
|----------------------|--|---|---|
| GV-Mount910          | Power Box Mount<br>Bracket   |    | Dimensions: 112 x 98 x 7.5 mm<br>(4.4 x 3.9 x 0.3")<br>Weight: 105 g (0.23 lb)              |
| GV-Mount913          | Power Box Mount<br>Bracket   |    | Dimensions: Ø 146 x 7.5 mm<br>(Ø 5.7 x 0.3")<br>Weight: 180 g (0.4 lb)                      |
| GV-Mount915          | In-Ceiling Mounting Kit<br>for<br>GV-EFD2101 / 3101  |    | Dimensions: Ø 172.5 x 63.8 mm<br>(Ø 7.04 x 2.5")<br>Weight: 424 g (0.93 lb)                 |
| GV-Mount917          | GV-EFD2101 / 3101<br>Dome Housing  |  | Dimensions: Ø 186 x 97.5 mm<br>(Ø 7.3 x 3.8")<br>Weight: 948 g (2.09 lb)                    |
| GV-PA191 PoE Adapter |  |  | Dimensions (H x W x D): 43 x 69 x 40 mm<br>(1.69 x 2.72 x 1.57")<br>Weight: 130 g (0.29 lb) |
| 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. |   |   |
| Power Adapter        | Contact your sales representative for the countries and areas supported.   |   |   |