

## GV-EFD4700 Series 4MP H.265 Super Low Lux WDR Pro IR Mini Fixed IP Dome



- 1/3" progressive scan super low lux CMOS
- Min. illumination at 0.02 lux
- Dual streams from H.265, H.264 and MJPEG
- Up to 25 fps at 2560 x 1440, 30 fps at 2048 x 1520
- Intelligent IR
- Day and Night function (with removable IR-cut filter)
- 2-axis mechanism (pan / tilt)
- Built-in microphone
- Wide Dynamic Range Pro (WDR Pro)
- 3D noise reduction
- Smart streaming
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- DC 12V / PoE (IEEE 802.3af)
- Megapixel lens
- Recording assigned by GV-Edge Recording Manager ([Windows](#) & [Mac](#))
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- \* Smart streaming requires either GV-DVR / NVR V8.7.0.0 or GV-VMS V16.10.3

### Introduction

The Target Mini Fixed Dome is an indoor, fixed, mini-sized network camera equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. Adjustable in 2 axis (pan and tilt), it offers an entry-level surveillance solution with all the essential features and excellent image quality. GV-EFD4700 supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. With the super low lux CMOS image sensor, the camera is capable of providing a color live view in near darkness.

### Models

| Model         | Iris  | Focal Length (mm) | Maximum Aperture | Image Format |
|---------------|-------|-------------------|------------------|--------------|
| GV-EFD4700-0F | Fixed | 2.8               | F/2.0            | 1/2.7"       |
| GV-EFD4700-2F | Fixed | 3.8               | F/1.8            | 1/2.7"       |

### Active Tampering Alarm

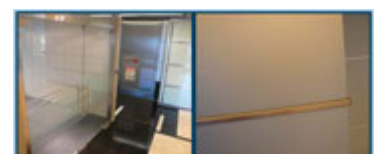
Tampered



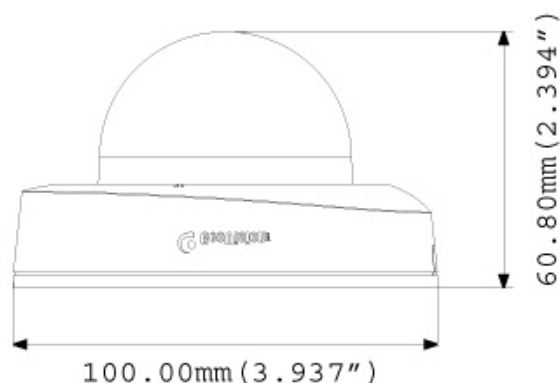
Focus Change



Camera Shift



## Dimensions



## Specifications

| Camera               |       | GV-EFD4700-0F                                                                                                                                                                                                                        | GV-EFD4700-2F |
|----------------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|
| Image Sensor         |       | 1/3" progressive scan super low lux CMOS                                                                                                                                                                                             |               |
| Picture Elements     |       | 2560 (H) x 1440 (V)                                                                                                                                                                                                                  |               |
| Minimum Illumination | Color | 0.03 Lux                                                                                                                                                                                                                             |               |
|                      | B/W   | 0.02 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            |       | 50 dB                                                                                                                                                                                                                                |               |
| WDR                  |       | WDR Pro                                                                                                                                                                                                                              |               |
| Dynamic Range        |       | Up to 120 dB                                                                                                                                                                                                                         |               |
| Lens                 |       |                                                                                                                                                                                                                                      |               |
| Megapixel            |       | Yes                                                                                                                                                                                                                                  |               |
| Day/Night            |       | Yes (with removable IR-cut filter)                                                                                                                                                                                                   |               |
| Focal Length         |       | 2.8 mm                                                                                                                                                                                                                               | 3.8 mm        |
| Lens Type            |       | Fixed                                                                                                                                                                                                                                |               |
| Maximum Aperture     |       | F/2.0                                                                                                                                                                                                                                | F/1.8         |
| Mount                |       | M12, Pitch 0.5 mm                                                                                                                                                                                                                    |               |
| Horizontal FOV       |       | 96°                                                                                                                                                                                                                                  | 72°           |
| Image Format         |       | 1/2.7"                                                                                                                                                                                                                               |               |
| Operation            | Focus | Fixed                                                                                                                                                                                                                                |               |
|                      | Zoom  | Fixed                                                                                                                                                                                                                                |               |
|                      | Iris  | Fixed                                                                                                                                                                                                                                |               |
| IR LED Quantity      |       | 12 IR LEDs                                                                                                                                                                                                                           |               |
| Max. IR Distance     |       | 15 m (50 ft)                                                                                                                                                                                                                         |               |
| Operation            |       |                                                                                                                                                                                                                                      |               |
| Video Compression    |       | H.265, H.264, MJPEG                                                                                                                                                                                                                  |               |
| Video Streaming      |       | Stream 1 from H.265 or H.264<br>Stream 2 from H.265, H.264 or MJPEG                                                                                                                                                                  |               |
| Frame Rate           |       | 50 Hz: 25 fps at 2560 x 1440, 25 fps at 2048 x 1520<br>60 Hz: 24 fps at 2560 x 1440, 30 fps at 2048 x 1520<br>* The frame rate and 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, Backlight Compensation, D/N Sensitivity, WDR, Defog, Low Lux Enhancement, Denoise, Metering                       |               |
| Audio Compression    |       | G.711                                                                                                                                                                                                                                |               |
| Audio Support        |       | One-way audio                                                                                                                                                                                                                        |               |

| Video Resolution        |          |                                                                                                                                                                                                                                                                                                                                                  |
|-------------------------|----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Main Stream             | 4:3      | 2048 x 1520, 1600 x 1200, 1280 x 960, 640 x 480                                                                                                                                                                                                                                                                                                  |
|                         | 16:9     | 2560 x 1440 (Default) , 2304 x 1296, 1920 x 1080, 1280 x 720, 640 x 360                                                                                                                                                                                                                                                                          |
|                         | 5:4      | 1280 x 1024, 640 x 512                                                                                                                                                                                                                                                                                                                           |
| Sub Stream              | 4:3      | 1024 x 768, 640 x 480, 320 x 240                                                                                                                                                                                                                                                                                                                 |
|                         | 16:9     | 1280 x 720, 640 x 360 (Default) , 448 x 256                                                                                                                                                                                                                                                                                                      |
|                         | 5:4      | 1280 x 1024, 640 x 512, 320 x 256                                                                                                                                                                                                                                                                                                                |
| Network                 |          |                                                                                                                                                                                                                                                                                                                                                  |
| Interface               |          | 10/100 Ethernet                                                                                                                                                                                                                                                                                                                                  |
| 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      | -45° ~ 45°                                                                                                                                                                                                                                                                                                                                       |
|                         | Tilt     | 0° ~ 63°                                                                                                                                                                                                                                                                                                                                         |
| Connectors              | Power    | 2-pin terminal block, PoE                                                                                                                                                                                                                                                                                                                        |
|                         | Ethernet | Ethernet (10/100 Base-T), RJ-45 cable                                                                                                                                                                                                                                                                                                            |
|                         | Audio    | 1 In (built-in microphone)                                                                                                                                                                                                                                                                                                                       |
| LED Indicator           |          | 4 LEDs: Link, ACT, Power, Status                                                                                                                                                                                                                                                                                                                 |
| General                 |          |                                                                                                                                                                                                                                                                                                                                                  |
| Environment Temperature |          | 0 °C ~ 45 °C (32 °F ~ 113 °F)                                                                                                                                                                                                                                                                                                                    |
| Humidity                |          | 10% to 90% (no condensation)                                                                                                                                                                                                                                                                                                                     |
| Power Source            |          | 12V DC/PoE (IEEE 802.3af)                                                                                                                                                                                                                                                                                                                        |
| Max. Power Consumption  |          | 6.07 W                                                                                                                                                                                                                                                                                                                                           |
| Dimension               |          | ø 100 x 60 mm (3.9" x 2.4")                                                                                                                                                                                                                                                                                                                      |
| Weight                  |          | 148 g (0.33 lb)                                                                                                                                                                                                                                                                                                                                  |
| Regulatory              |          | CE, FCC, RCM, LVD, 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, 350 mA, 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            |          |                                                                                                                                                                                                                                                                                                                                                  |
| Software Supported      |          | GV-DVR / NVR (V8.7.1.0), GV-VMS (V15.11.1.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V15.10.0.0), GV-Recording Server (V1.3.0.0), GV-Redundant / Failover Server (V1.1.0.0)                                                                                                                                                         |
| 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:**

1. Specifications are subject to change without prior notice.
2. It is required to apply patch files to all the supported software.

## Packing List

- |                          |                          |
|--------------------------|--------------------------|
| 1. H.265 Mini Fixed Dome | 5. GV-IPCAM Software DVD |
| 2. Screw x 2             | 6. GV-Software DVD       |
| 3. Screw Anchor x 2      | 7. Warranty Card         |
| 4. Focus Adjustment Ring |                          |

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

## Accessories

| Model No./Name                                                                                                                                   | Details                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>GV-Mount900 Wall Mount Bracket</b><br>                       | Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2")<br>Weight: 240 g (0.53 lb)                                                                                                              |
| <b>GV-Mount910 Power Box Mount Bracket</b><br>                 | Dimensions: 112 x 98 x 7.5 mm (4.4" x 3.9" x 0.3")<br>Weight: 105 g (0.23 lb)                                                                                                            |
| <b>GV-Mount913 Power Box Mount Bracket</b><br>                | Dimensions: Ø 146 x 7.5 mm (Ø 5.7" x 0.3")<br>Weight: 180 g (0.4 lb)                                                                                                                     |
| <b>GV-Mount918 Wall Mount Bracket for MFD/MDR/EFD/EDR</b><br> | Dimensions: Ø 145 x 117 x 96 mm (Ø 5.71 x 4.60 x 3.78")<br>Weight: 350 g (0.77 lb)                                                                                                       |
| <b>GV-PA191 PoE Adapter</b><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)                                                                                               |
| <b>Power Adapter</b>                                                                                                                             | Contact your sales representative for the countries and areas supported.                                                                                                                 |
| <b>GV-POE Switch</b>                                                                                                                             | 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. |