

## GV-FD5700 5MP H.265 Low Lux WDR IR Fixed IP Dome



- 1/1.8" progressive scan low lux CMOS
  - Dual streams from H.265, H.264 and MJPEG
  - Up to 30 fps at 2592 x 1944
  - 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 30 m (98.4 ft)
  - 3-axis mechanism (pan / tilt / rotate)
  - DC 12V / PoE (IEEE 802.3af)
  - Two-way audio
  - One sensor input and alarm output
  - TV-out support
  - Wide Dynamic Range (WDR)
  - 3D noise reduction
  - Smart streaming
  - Defog
  - Motion detection
  - Tampering alarm
  - Text overlay
  - Privacy mask
  - IP address filtering
  - Recording assigned by GV-Edge Recording Manager (Windows & Mac)
  - Support for 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 V16.10.0.0.

### Introduction

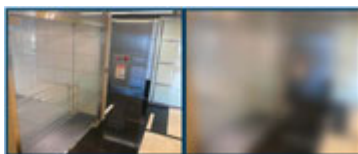
The GV-FD5700 is an indoor camera designed with 3-axis for easy and flexible installation. The Fixed Dome is equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network storage.

### Active Tampering Alarm

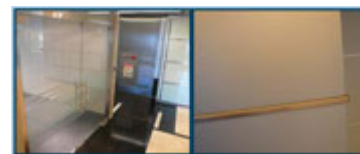
Tampered



Focus Change

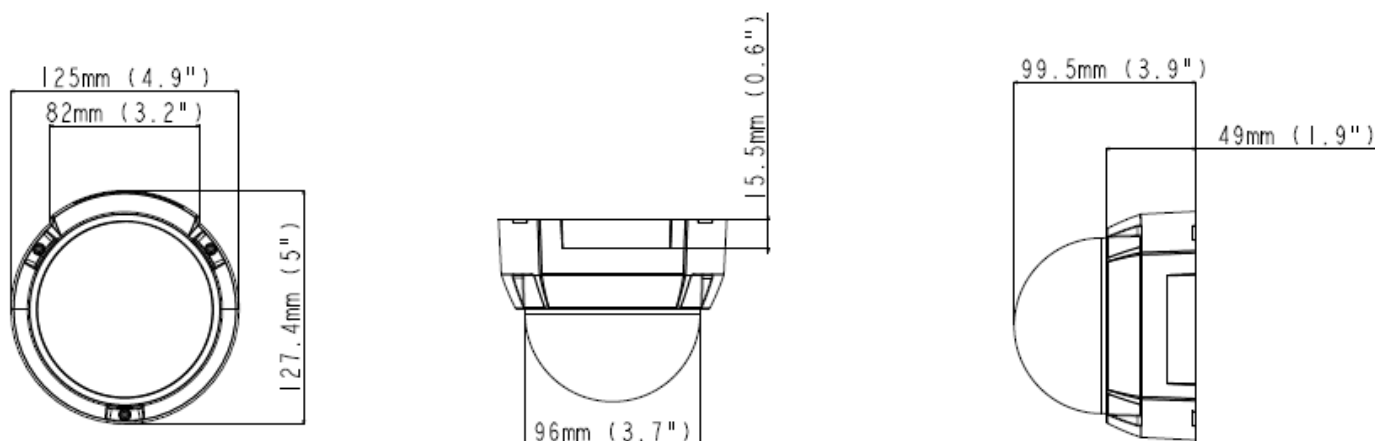


Camera Shift

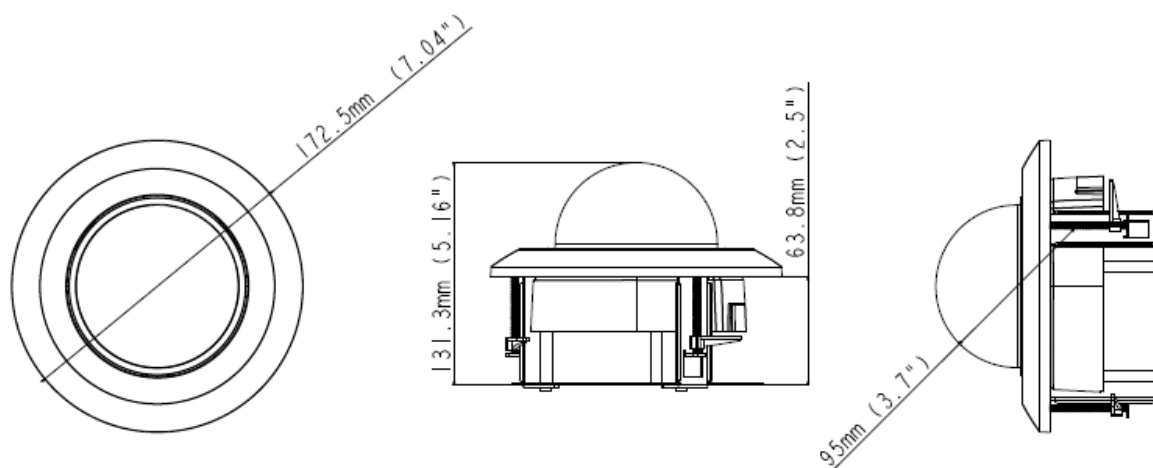


## Dimensions

### Hard-Ceiling Mount



### In-Ceiling Mount



## Specifications

| Camera               |       |                                        |
|----------------------|-------|----------------------------------------|
| Image Sensor         |       | 1/1.8" progressive scan low lux CMOS   |
| Picture Elements     |       | 2592 (H) x 1944 (V)                    |
| Minimum Illumination | Color | 0.04 Lux                               |
|                      | B/W   | 0.03 Lux                               |
|                      | IR ON | 0 Lux                                  |
| Shutter Speed        |       | Automatic, Manual (1/5 ~ 1/16000 sec.) |
| White Balance        |       | Automatic, Manual (2800K ~ 8500K)      |
| Gain Control         |       | Automatic                              |
| S/N Ratio            |       | 50 dB                                  |
| WDR                  |       | Yes                                    |
| Dynamic Range        |       | Up to 72 dB                            |
| Lens                 |       |                                        |
| Megapixel            |       | Yes                                    |
| Day/Night            |       | Yes (with removable IR-cut filter)     |
| Focal Length         |       | 4 ~ 8 mm                               |
| Lens Type            |       | Varifocal                              |
| Maximum Aperture     |       | F/1.65                                 |

|                                   |       |                 |
|-----------------------------------|-------|-----------------|
| Mount                             |       | Ø14 mm          |
| Horizontal FOV                    |       | 90° ~ 48°       |
| Image Format                      |       | 1/1.8"          |
| Operation                         | Focus | Manual (w/lock) |
|                                   | Zoom  | Manual (w/lock) |
|                                   | Iris  | P-Iris          |
| Max. Torque (Focus / Zoom Screws) |       | 0.049 N.m       |
| IR LED Quantity                   |       | 4 IR LEDs       |
| Max. IR Distance                  |       | 30 m (98.4 ft)  |

#### Operation

|                   |                                                                                                                                                                                                                |
|-------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Compression | H.265, H.264, MJPEG                                                                                                                                                                                            |
| Video Streaming   | Stream 1 from H.265 or H.264                                                                                                                                                                                   |
|                   | Stream 2 from H.265, H.264 or MJPEG                                                                                                                                                                            |
| Frame Rate        | 50 Hz: 25 fps at 2592 x 1944, 25 fps at 2592 x 1520                                                                                                                                                            |
|                   | 60 Hz: 30 fps at 2592 x 1944, 30 fps at 2592 x 1520                                                                                                                                                            |
|                   | * The frame rate and performance may vary depending on the number of connections and data bit-rates (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     | Two-way Audio                                                                                                                                                                                                  |
| Sensor Input      | 1 Input (Dry Contact)                                                                                                                                                                                          |
| Alarm Output      | 1 Digital Output (200mA 5V DC)                                                                                                                                                                                 |

#### Video Resolution

|             |      |                                                              |
|-------------|------|--------------------------------------------------------------|
| Main Stream | 4:3  | 2592 x 1944 (Default), 2048 x 1536, 1600 x 1200, 640 x 480   |
|             | 16:9 | 2592 x 1520, 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 (Default), 320 x 240                   |
|             | 16:9 | 1280 x 720, 640 x 360, 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           | 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 (3.5 mm phone jack for microphone)   |
|                         |               | 1 Out (3.5 mm phone jack for speaker)     |
|                         | Digital I/O   | 3-pin terminal block, pitch 2.5 mm (0.1") |
|                         | Auto Iris     | Yes (with varifocal lens)                 |
|                         | Local Storage | N/A                                       |
|                         | TV-Out        | BNC connector (D1 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 / PoE (IEEE 802.3af)       |
| Max. Power Consumption  | 12V DC, 6W                        |
| Dimension               | Ø125 x 99.5 mm (4.92" x 3.92")    |
| Weight                  | 470 g (1.04 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, 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, Wide Angle Lens Dewarping, Picture in Picture, Picture and Picture, Privacy Mask, Text overlay, Visual automation                                                                                                                             |
| 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        | Browser (IE, Chrome, Firefox, Safari), Mobile app      |
| CMS Server support  | GV-Control Center, GV-Center V2, GV-Vital Sign Monitor |

### Note:

- Specifications are subject to change without prior notice.
- H.265 decoding is only supported by GV-Eye V2.3 or later.

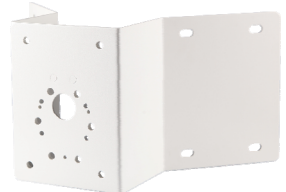
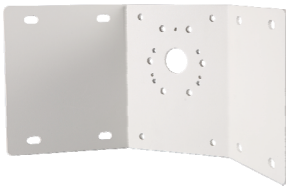
## Packing List

- |                        |                            |
|------------------------|----------------------------|
| 1. H.265 Fixed IP Dome | 6. Installation Sticker    |
| 2. Screw x 3           | 7. DI/DO extend cable      |
| 3. Screw Anchor x 3    | 8. Software Download Guide |
| 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 |                   |  | 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 |         | Dimensions: 315 x 195.5 x 225 mm (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 (9.4 x 16.1")<br>Weight: 4.27 kg (9.41 lb)                                                                                                                                                  |
| GV-Mount310 | Concave Corner Adapter Kit             |         | 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 (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 (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                         |       | <b>Four</b> 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 (6.1 x 4.3 x 2")<br>Weight: 240 g (0.53 lb)                                                                                                                                                |
| GV-Mount909 | Wall Box Mount                         |       | Dimensions: 170 x 150 x 110 mm (6.7 x 5.9 x 4.3")<br>Weight: 610 g (1.34 lb)                                                                                                                                             |

|                      |                                                                                                                                                                                          |                                                                                     |                                                                                                                                                                                                                |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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          | -<br>-                                                                                                                                                                                   |    | Dimensions: Ø 172.5 x 63.8 mm<br>(Ø 7.04 x 2.5")<br>Weight: 424 g (0.93 lb)                                                                                                                                    |
| GV-Mount917          | -                                                                                                                                                                                        |  | 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-Relay V2          | 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. |
| 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.                                                                                                                 |                                                                                     |                                                                                                                                                                                                                |