

## **GV-TDR2705 2MP H.265 Low Lux WDR Pro IR Mini Fixed Rugged IP Dome**

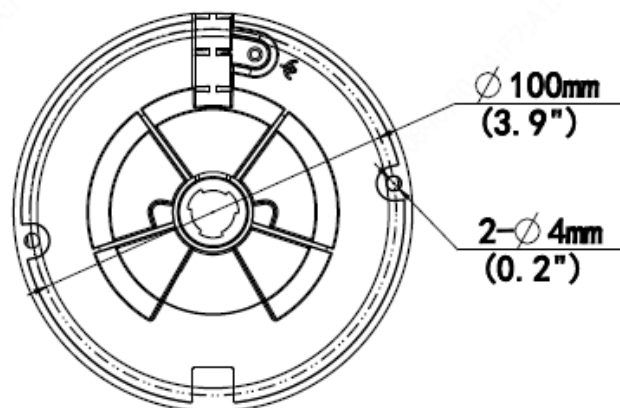
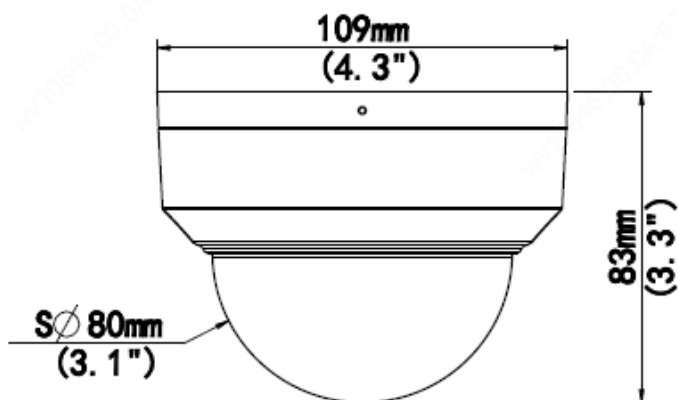


- 1/2.7" progressive scan CMOS sensor
- Min. illumination at 0.01 lux
- Dual streams from H.265, H.264 or MJPEG
- Up to 30 fps at 1920 x 1080
- Intelligent IR
- IR distance up to 30 m (100 ft)
- Built-in microphone
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- 3-axis mechanism (pan / tilt / rotate)
- Day and night function (with removable IR-cut filter)
- Ingress protection (IP67)
- Vandal Resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR Pro)
- Defog
- 3D noise reduction
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- 12 languages supported
- ONVIF (Profile G, S, T) conformant

### **Introduction**

The Mini Fixed Rugged IP Dome is an outdoor, fixed, network camera equipped with an automatic IR-cut filter and an IR LED 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 bandwidths. It adheres to IP67 and IK10 standards, and can be powered through PoE.

### **Dimensions**



## Specifications

| Camera                                                                     |             | GV-TDR2705-2F                                                                                                                                                                                                                                             |                  |                 |                 |
|----------------------------------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------|-----------------|
| Image Sensor                                                               |             | 1/2.7" progressive scan CMOS                                                                                                                                                                                                                              |                  |                 |                 |
| Picture Elements                                                           |             | 1920 (H) x 1080 (V)                                                                                                                                                                                                                                       |                  |                 |                 |
| Minimum Illumination                                                       | Color       | 0.01 Lux (F2.0, AGC ON)                                                                                                                                                                                                                                   |                  |                 |                 |
|                                                                            | IR ON       | 0 Lux                                                                                                                                                                                                                                                     |                  |                 |                 |
| Shutter Speed                                                              |             | Auto / Manual (1 ~ 1/100,000 sec)                                                                                                                                                                                                                         |                  |                 |                 |
| White Balance                                                              |             | Auto / Manual                                                                                                                                                                                                                                             |                  |                 |                 |
| Gain Control                                                               |             | Auto / Manual                                                                                                                                                                                                                                             |                  |                 |                 |
| S/N Ratio                                                                  |             | Up to 52 dB                                                                                                                                                                                                                                               |                  |                 |                 |
| WDR Pro                                                                    |             | Yes                                                                                                                                                                                                                                                       |                  |                 |                 |
| Dynamic Range                                                              |             | 120 dB                                                                                                                                                                                                                                                    |                  |                 |                 |
| Lens                                                                       |             |                                                                                                                                                                                                                                                           |                  |                 |                 |
| Megapixel                                                                  |             | 2 MP                                                                                                                                                                                                                                                      |                  |                 |                 |
| Day / Night                                                                |             | Yes (with removable IR-cut filter)                                                                                                                                                                                                                        |                  |                 |                 |
| Lens Type                                                                  |             | Fixed                                                                                                                                                                                                                                                     |                  |                 |                 |
| Focal Length                                                               |             | 2.8 mm                                                                                                                                                                                                                                                    |                  |                 |                 |
| Maximum Aperture                                                           |             | F/2.0                                                                                                                                                                                                                                                     |                  |                 |                 |
| Mount                                                                      |             | Ø 12 mm                                                                                                                                                                                                                                                   |                  |                 |                 |
| Horizontal FOV                                                             |             | 112.9°                                                                                                                                                                                                                                                    |                  |                 |                 |
| Operation                                                                  | Focus       | Fixed                                                                                                                                                                                                                                                     |                  |                 |                 |
|                                                                            | Zoom        |                                                                                                                                                                                                                                                           |                  |                 |                 |
|                                                                            | Iris        |                                                                                                                                                                                                                                                           |                  |                 |                 |
| IR LED Quantity                                                            |             | 1 IR LED                                                                                                                                                                                                                                                  |                  |                 |                 |
| Max. IR Distance                                                           |             | 30 m (100 ft)                                                                                                                                                                                                                                             |                  |                 |                 |
| DORI                                                                       |             | Detect                                                                                                                                                                                                                                                    | Observe          | Recognize       | Identify        |
| Lens                                                                       | 2.8 mm      | 42 m (137.7 ft)                                                                                                                                                                                                                                           | 16.8 m (51.1 ft) | 8.4 m (27.5 ft) | 4.2 m (13.7 ft) |
| Operation                                                                  |             |                                                                                                                                                                                                                                                           |                  |                 |                 |
| Video Compression                                                          |             | H.265, H.264, MJPEG                                                                                                                                                                                                                                       |                  |                 |                 |
| Video Streaming                                                            |             | Dual streams from H.265, H.264 or MJPEG                                                                                                                                                                                                                   |                  |                 |                 |
| Video Resolution                                                           | Main Stream | 1920 x 1080 (Default), 1280 x720                                                                                                                                                                                                                          |                  |                 |                 |
|                                                                            | Sub Stream  | 1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default)                                                                                                                                                                                                     |                  |                 |                 |
| Frame Rate                                                                 |             | 30 fps at 1920 x 1080 (60 / 50 Hz)<br>*The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).                                                                                               |                  |                 |                 |
| Maximum throughput                                                         |             | 50 Mbps                                                                                                                                                                                                                                                   |                  |                 |                 |
| Maximum stream<br>*When the total bitrate is within the maximum throughput |             | 6                                                                                                                                                                                                                                                         |                  |                 |                 |
| Video Analytics                                                            |             | Motion Detection, Tampering Alarm, Audio Detection, Cross Line, Intrusion<br>*Tampering Alarm, Audio Detection, Cross Line, Intrusion are only accessible through the camera's Web interface, which can be used to trigger alerts such as e-mail and FTP. |                  |                 |                 |
| Image Setting                                                              |             | Brightness, Saturation, Contrast, Sharpness, Flicker-less, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format)                                                                                                                |                  |                 |                 |
| Audio Compression                                                          |             | G.711                                                                                                                                                                                                                                                     |                  |                 |                 |
| Audio Support                                                              |             | One-way audio                                                                                                                                                                                                                                             |                  |                 |                 |
| Network                                                                    |             |                                                                                                                                                                                                                                                           |                  |                 |                 |
| Interface                                                                  |             | 10/100 Ethernet                                                                                                                                                                                                                                           |                  |                 |                 |
| Protocol                                                                   |             | ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T)                                                                                                          |                  |                 |                 |
| Mechanical                                                                 |             |                                                                                                                                                                                                                                                           |                  |                 |                 |
| Camera Angle Adjustment                                                    | Pan         | 3° ~ 360°                                                                                                                                                                                                                                                 |                  |                 |                 |
|                                                                            | Tilt        | 0° ~ 68°                                                                                                                                                                                                                                                  |                  |                 |                 |
|                                                                            | Rotate      | 3° ~ 360                                                                                                                                                                                                                                                  |                  |                 |                 |

|            |               |                                                         |     |
|------------|---------------|---------------------------------------------------------|-----|
| Connectors | Power         | DC Jack (DC 12 V, 1.25 A), PoE                          |     |
|            | Ethernet      | RJ-45 connector                                         |     |
|            | Audio         | Built-in microphone                                     | Yes |
|            |               | External microphone required                            | No  |
|            |               | Built-in speaker                                        | No  |
| Connectors | Local Storage | Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) |     |
|            |               | *UHS-II card type is not supported.                     |     |

#### General

|                        |                                  |
|------------------------|----------------------------------|
| Operating Temperature  | -30 °C ~ 60 °C (-22 °F ~ 140 °F) |
| Humidity               | 0% ~ 95% (no condensation)       |
| Power Source           | 1.25A 12V DC / PoE (IEEE802.3af) |
| Max. Power Consumption | 5.0 W                            |
| Dimensions             | Ø 109 x 83 mm (Ø 4.3" x 3.3")    |
| Weight                 | 0.36 kg (0.79 lb)                |
| Ingress Protection     | IP67                             |
| Vandal Resistance      | IK10                             |
| Certification          | FCC, CE, RoHS, UL compliant      |

#### Web Interface

|                         |                                                                                                                         |
|-------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Installation Management | Web-based configuration                                                                                                 |
| Maintenance             | Firmware upgrade through Web Browser or GV-IP Device Utility                                                            |
| Access from Web Browser | Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Defog, Text Overlay, Image Masking |
| Language                | Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese |

#### Applications

|                     |                                                                                                                                                                                                  |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Software Supported  | GV-VMS (V17.4.7 / V18.3.2 or later), GV-Control Center (V4.2.1, coming soon), GV-Recording Server / Video Gateway (V2.1.1 or later), GV-Edge Recording Manager Windows Version (V2.2.7 or later) |
| Smart Device Access | GV-Eye for iOS / Android (V3.1.1) or later                                                                                                                                                       |
| Live Viewing        | Browser (IE, Edge, Chrome, Firefox), Mobile App                                                                                                                                                  |

#### Note:

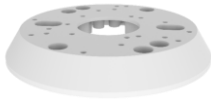
- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- Specifications are subject to change without notice.

#### Packing List

- |                          |                          |
|--------------------------|--------------------------|
| 1. GV-TDR2705 Dome       | 4. Torx Wrench           |
| 2. Waterproof Rubber Set | 5. Drill Template Paster |
| 3. Screw Kit             | 6. Download Guide        |

#### Accessories

| Model No.                                         | Name                           |                                                                                     | Details                                                                             |
|---------------------------------------------------|--------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| GV-Mount107<br>(must be used with<br>GV-Mount213) | Pendant Bracket                |  | Dimensions: Ø 120 x 334 mm<br>(Ø 4.72" x 13.15")<br>Weight: 0.74 kg (1.63 lb)       |
| GV-Mount211P                                      | Wall Mount and Junction<br>Box |  | Dimensions: Ø 233 x 125 x 125 mm<br>(Ø 9.2" x 4.9" x 4.9")<br>Weight: 1 kg (2.2 lb) |

|                                                                          |                                                                                                                                                                                          |                                                                                     |                                                                                                                                                                        |
|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount213                                                              | Wall / Ceiling Box Mount                                                                                                                                                                 |    | Dimensions: Ø 109 x 39 mm (Ø 4.3" x 1.5")<br>Weight: 0.2 kg (0.44 lb)                                                                                                  |
| GV-Mount300-2                                                            | Convex Corner Mount                                                                                                                                                                      |    | Dimensions: 137 x 233 x 160 mm<br>(5.4" x 9.17" x 6.3")<br>Weight: 1.65 kg (3.64 lb)                                                                                   |
| GV-Mount310-2                                                            | Concave Corner Mount                                                                                                                                                                     |    | Dimensions: 111.2 x 369.9 x 210 mm<br>(2.6" x 11.4" x 6.6")<br>Weight: 1.65 kg (3.64 lb)                                                                               |
| GV-Mount420<br>(must be used with<br>GV-Mount211P)                       | Pole Mount Bracket                                                                                                                                                                       |    | Dimensions: Ø 120 x 120 x 53.4 mm<br>(Ø 4.7" x 4.7" x 2.1")<br>Weight: 0.45 kg (0.99 lb)<br>Steel Strap Diameter: Ø 67 ~ 127 mm (Ø 2.6" ~ 5")                          |
| GV-Mount704<br>(must be used with<br>GV-Mount107)                        | Extension Tube                                                                                                                                                                           |   | Dimensions: Ø 3.5 x 10 or 20 or 30 or 50 cm<br>(Ø 1.38 x 3.9 or 7.9 or 11.8 or 19.7")<br>Weight: 225g or 360g or 500g or 780g (0.5 lb or 0.79 lb or 1.1 lb or 1.72 lb) |
| GV-Mount924<br>(for standard US single<br>and double gang boxes<br>only) | Power Box Mount Bracket                                                                                                                                                                  |  | Dimensions: Ø 128 x 18.5 mm<br>(Ø 5" x 0.7")<br>Weight: 0.15 kg (0.33 lb)                                                                                              |
| GV-PA301                                                                 | Gigabit PoE Adapter                                                                                                                                                                      |  | GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.                                                                                                               |
| GV-PA191                                                                 | 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.                                        |
| 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 our sales representatives for the countries and areas supported.                                                                                                                 |                                                                                     |                                                                                                                                                                        |