

GV-TDR2700 Series 2MP H.265 Low Lux WDR Pro IR Mini Fixed Rugged IP

Dome



- 1/2.8" progressive scan low lux CMOS sensor
- Triple 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)
- Day and night function (with removable IR-cut filter)
- 3-axis mechanism (pan / tilt / rotate)
- Ingress protection (IP67)
- Vandal Resistance (IK10 for metal casing)
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- Two-way audio
- 1 sensor input and 1 alarm output
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- Defog
- 3D noise reduction
- Motion detection
- Text overlay
- Privacy mask
- ONVIF (Profile G, S, T) conformant

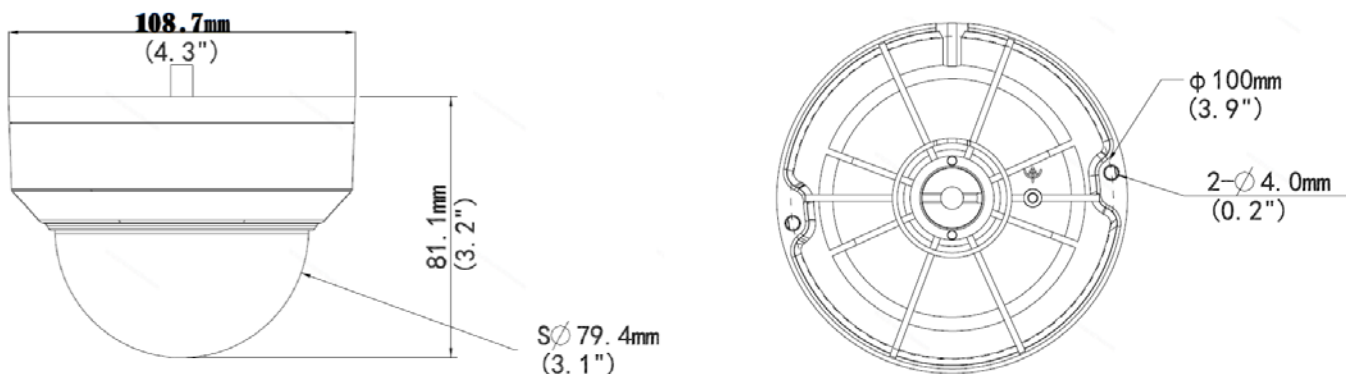
Introduction

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. The camera adheres to IP67 and IK10 standards, and can be powered through PoE.

Models

| Model | Iris | Focal Length (mm) | Maximum Aperture | Image Format |
|---------------|-------|-------------------|------------------|--------------|
| GV-TDR2700-0F | Fixed | 2.8 | F/1.6 | 1/2.8" |
| GV-TDR2700-1F | Fixed | 4.0 | F/1.6 | 1/2.8" |

Dimensions



Specifications

| Camera | | |
|-------------------------|---|---|
| Image Sensor | 1/2.8" progressive scan low lux CMOS | |
| Picture Elements | 1920 (H) x 1080 (V) | |
| Minimum Illumination | Color | 0.001 Lux (F1.6, AGC ON) |
| | IR ON | 0 Lux |
| Shutter Speed | Auto / Manual (1 ~ 1/100000 sec) | |
| White Balance | Auto / Manual | |
| Gain Control | Auto / Manual | |
| S/N Ratio | 52 dB | |
| WDR Pro | Yes | |
| Dynamic Range | 120 dB | |
| Lens | | |
| | GV-TDR2700-0F | GV-TDR2700-1F |
| Megapixel | Yes | |
| Day / Night | Yes (with removable IR-cut filter) | |
| Lens Type | Fixed | |
| Focal Length | 2.8 mm | 4.0 mm |
| Maximum Aperture | F/1.6 | |
| Mount | M12 | |
| Horizontal FOV | 111° | 81° |
| Operation | Focus | Fixed |
| | Zoom | Fixed |
| | Iris | Fixed |
| IR LED Quantity | 1 IR LED | |
| Max. IR Distance | 30 m (100 ft) | |
| Operation | | |
| Video Compression | H.265, H.264, MJPEG | |
| Video Streaming | Triple streams from H.265, H.264 or MJPEG | |
| Video Resolution | Main Stream | 1920 x 1080 (Default), 1280 x 720 |
| | Sub Stream | 1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288 |
| | Third Stream (Closed by Default) | 720 x 576, 704 x 288, 640 x 360, 352 x 288 |
| Frame Rate | 30 fps at 1920 x 1080 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes). | |
| Video Analytics | Motion Detection, Tampering Alarm, Audio Detection, Cross Line, Intrusion, Object Moving, Object Left, Defocus, Scene Change, Face Detection, People Counting *Tampering Alarm, Audio Detection, Cross Line, Intrusion, Object Moving, Object Left, Defocus, Scene Change, Face Detection and People Counting 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, Contrast, Saturation, Sharpness, Flicker-less, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format) | |
| Audio Compression | G.711 | |
| Audio Support | Two-way audio (external microphone and speaker required) | |
| Digital I/O | Input | 1 Input, dry contact, NO / NC |
| | Output | 1 Relay Output (1A 30V DC / 0.3A 125V AC) |
| Network | | |
| Interface | 10/100 Ethernet | |
| Protocol | 802.1x, ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T) | |
| Mechanical | | |
| Temperature Detector | No | |
| Camera Angle Adjustment | Pan | 0° ~ 360° |
| | Tilt | 0° ~ 75° |
| | Rotate | 0° ~ 360° |

| | | |
|------------|---------------|--|
| Connectors | Power | DC Jack (DC 12 V, 1.25 A), PoE |
| | Ethernet | RJ-45 connector |
| | Audio | 2 in (Audio In Wire); 1 out (Audio Out Wire) *The Audio In port only support microphones with power supply. |
| | Digital I/O | I/O wires |
| | Local Storage | Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) *UHS-II card type is not supported. |

General

| | |
|------------------------|----------------------------------|
| Operating Temperature | -35°C ~ 60°C (-31°F ~ 140°F) |
| Humidity | 0% ~ 95% (no condensation) |
| Power Source | 12 V DC / PoE (IEEE802.3af) |
| Max. Power Consumption | 4 W |
| Dimensions | Ø 108.7 x 81.1 mm (Ø4.3" x 3.2") |
| Weight | 0.45 kg (0.99 lb) |
| Ingress Protection | IP67 |
| Vandal Resistant | IK10 for metal casing |
| Regulatory | FCC, CE, RoHS compliant |

Web Interface

| | |
|-------------------------|---|
| Installation Management | Web-based configuration |
| Maintenance | Firmware upgrade through Web Browser or 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-DVR / NVR (V8.7.6), GV-VMS (V17.1.0.100), GV-Control Center (V3.5.1), GV-Edge Recording Manager Win Version (V1.3.0.0), GV-Recording Server / Video Gateway (V1.4.1), GV-Redundant / Failover Server (V1.1.0.0), GV-Mobile Server (V1.5.0.0) |
| Smart Device Access | GV-Eye for iOS and Android |
| Live Viewing | Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App |









Note:

1. It is required to apply patch files to all the supported software.
2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
3. Specifications are subject to change without notice.

Packing List

- | | |
|--|--------------------------|
| 1. GV-TDR2700 IR Mini Fixed Rugged IP Dome | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Download Guide |
| 3. Screw Kit | 6. Warranty Card |

Accessories

| Model No. | Name | | Details |
|--|-----------------------------------|---|--|
| GV-Mount107 (must be used with GV-Mount213) | Pendant Bracket |  | Dimensions: Ø 120 x 334 mm (Ø 4.72" x 13.15") Weight: 0.74 kg (1.63 lb) |
| GV-Mount211P | Wall Mount and Junction Box |  | Dimensions: Ø 233 x 126 x 126 mm (Ø 9.2" x 5" x 5") Weight: 1 kg (2.2 lb) |
| GV-Mount213 | Wall / Ceiling Box Mount |  | Dimensions: Ø 109 x 39 mm (Ø 4.3" x 1.5") Weight: 0.2 kg (0.44 lb) |
| GV-Mount300-2 | Convex Corner Mount |  | Dimensions: 137 x 233 x 160 mm (5.4" x 9.17" x 6.3") Weight: 1.65 kg (3.64 lb) |
| GV-Mount310-2 | Concave Corner Mount |  | Dimensions: 111.2 x 369.9 x 210 mm (2.6" x 11.4" x 6.6") Weight: 1.65 kg (3.64 lb) |
| GV-Mount420 (must be used with GV-Mount211P) | Pole Mount Bracket |  | Dimensions: Ø 120 x 120 x 53.4 mm (Ø 4.7" x 4.7" x 2.1") Weight: 0.45 kg (0.99 lb) Steel Strap Diameter: Ø 67 ~ 127 mm (Ø 2.6" ~ 5") |
| GV-Mount704 (must be used with GV-Mount107) | Extension Tube |  | Dimensions: Ø 3.5 x 10 or 20 or 30 or 50 cm (Ø 1.38 x 3.9 or 7.9 or 11.8 or 19.7") Weight: 225g or 360g or 500g or 780g (0.5 lb or 0.79 lb or 1.1 lb or 1.72 lb) |
| GV-PA191 | Power over Ethernet (PoE) Adapter |  | 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 | | | GV-PoE Switch is designed to provide power along with network connection for IP devices. 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. |