

GV-EDR4700 Series 4MP H.265 Super Low Lux WDR Pro IR Mini Fixed Rugged

IP Dome



- 1/3" progressive scan super low lux CMOS
 - Dual streams from H.265, H.264 and MJPEG
 - Up to 20 fps at 2592 x 1520, 25 fps at 2560 x 1440, 30 fps at 2048 x 1520
 - Day and Night function (with removable IR-cut filter)
 - Vandal resistance (IK10 for metal casing)
 - Ingress protection (IP67)
 - 2-axis mechanism (pan / tilt)
 - DC 12V / PoE (IEEE 802.3af)
 - Wide Dynamic Range Pro (WDR Pro)
 - Intelligent IR
 - 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](#))
 - 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 Rugged Dome is an outdoor, fixed, mini-sized network camera equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. The camera adheres to IK10 and IP67 standards. It is adjustable in 2 axes (pan and tilt) and can be connected through PoE. The camera can support H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. GV-EDR4700 is capable of not only providing a color live view in near darkness but also under contrasting light intensities with its super low lux CMOS image sensor and WDR Pro.

Models

| Model | Iris | Focal Length (mm) | Maximum Aperture | Image Format |
|---------------|-------|-------------------|------------------|--------------|
| GV-EDR4700-0F | Fixed | 2.8 | F/2.0 | 1/2.7" |
| GV-EDR4700-2F | Fixed | 3.8 | F/1.8 | 1/2.7" |

Active Tampering Alarm

Tampered



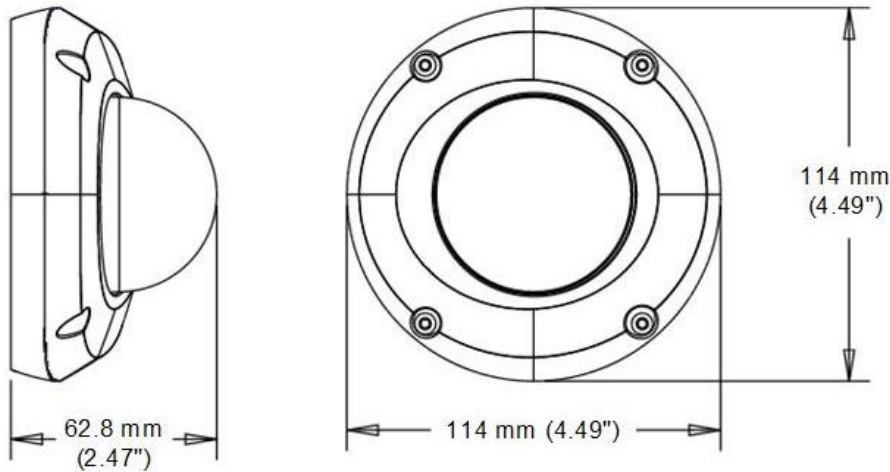
Focus Change



Camera Shift



Dimensions



Specifications

| Camera | | GV-EDR4700-0F | GV-EDR4700-2F |
|----------------------|-------|--|---------------|
| Image Sensor | | 1/3" progressive scan super low lux CMOS | |
| Picture Elements | | 2592 (H) x 1520 (V) | |
| Minimum Illumination | Color | 0.03 Lux | |
| | B/W | 0.02 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 | | 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 Stream 2 from H.265, H.264 or MJPEG | |
| Frame Rate | | 50Hz: 20 fps at 2592 x 1520, 25 fps at 2560 x 1440, 25 fps at 2048 x 1520 60Hz: 20 fps at 2592 x 1520, 24 fps at 2560 x 1440, 30 fps at 2048 x 1520 * 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, Backlight Compensation, D/N Sensitivity, WDR, Defog, Low Lux Enhancement, Denoise, Metering | |
| Audio Support | | N/A | |

| Video Resolution | | |
|-------------------------|--|---|
| Main Stream | 4:3 | 2048 x 1520, 1600 x 1200, 1280 x 960, 640 x 480 |
| | 16:9 | 2592 x 1520, 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 |
| LED Indicator | 4 LEDs: Link, ACT, Power, Status | |
| General | | |
| Environment Temperature | Start-up | -20°C ~ 50°C (-4°F ~ 122°F) |
| | Operation | -30°C ~ 50°C (-22°F ~ 122°F) |
| Humidity | 10% to 90% (no condensation) | |
| Power Source | 12V DC / PoE (IEEE 802.3af) | |
| Max. Power Consumption | 6.07 W | |
| Dimension | ø 114 x 62.8 mm (4.49" x 2.47") | |
| Weight | 600 g (1.32 lb) | |
| Ingress Protection | IP67 | |
| Vandal Resistance | IK10 for metal casing | |
| 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, Picture in 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 (V15.11.3.0), GV-Control Center (V3.4.0.0), GV-Edge Recording Manager (V1.2.0.0), GV-Center V2 (V15.10.0.0), GV-Recording Server / Video Gateway (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. It is required to apply patch files to all the supported software mentioned above.
2. The signal range and data throughput may vary depending on the network conditions and environmental factors.
3. Specifications are subject to change without prior notice.

Packing List

- | | |
|---|--|
| 1. H.265 Mini Fixed Rugged Dome | 9. Torx Wrench |
| 2. Screw x 2 | 10. Silica Gel Bag x 2 |
| 3. Screw Anchor x 2 | 11. Adhesive Tape for Silica Gel Bag x 2 |
| 4. Focus Adjustment Ring | 12. Concave Hexagon Wrench |
| 5. Installation Sticker | 13. Ruler |
| 6. Conduit Converter | 14. Screw for Conduit Converter x 2 |
| 7. RJ-45 Connector | 15. GV-IPCAM Software DVD |
| 8. Waterproof Rubber Sets (for RJ-45 Cat.5 and 12V DC / for RJ-45 Cat.6) | 16. GV-Software DVD |
| | 17. Warranty Card |

Note: Power adapters can be purchased upon request.

Accessories

| Model No. | Name | | Details |
|--------------|---|---|---|
| GV-Mount900 | Wall Mount Bracket |  | Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2") Weight: 240 g (0.53 lb) |
| GV-Mount910 | Power Box Mount Bracket |  | Dimensions: 112 x 98 x 7.5 mm (4.4" x 3.9" x 0.3") Weight: 105 g (0.23 lb) |
| GV-Mount913 | Power Box Mount Bracket |  | Dimensions: Ø 146 x 7.5 mm (Ø 5.7" x 0.3") Weight: 180 g (0.4 lb) |
| GV-Mount918 | Wall Mount Bracket for MFD/MDR/EFD/EDR |  | Dimensions: Ø 145 x 117 x 96 mm (Ø 5.71 x 4.60 x 3.78") Weight: 350 g (0.77 lb) |
| GV-PA191 | PoE Adapter |  | Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57") Weight: 130 g (0.29 lb) |
| Plastic PG21 | Conduit Connector |  | The plastic PG21 conduit connector is used for running the wires of the camera through a 1/2" conduit pipe. |

Power Adapter

Contact your sales representative for the countries and areas supported.

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.
