

## GV-FD2510 2MP H.264 3x zoom Super Low Lux WDR IR Fixed IP Dome



- 1/2.8" progressive scan Super Low Lux CMOS
  - Min. illumination at 0.02 lux
  - Dual streams from H.264 and MJPEG
  - Up to 30 fps at 1920 x 1080
  - 3-axis mechanism (pan / tilt / roll)
  - Varifocal megapixel lens
  - Intelligent IR
  - IR distance up to 30 m (98.4 ft)
  - 2-way audio
  - One sensor input and alarm output
  - TV-out support
  - Built-in micro SD card slot (SD/SDHC) for local storage
  - DC 12V / AC 24V / PoE
  - Wide Dynamic Range (WDR)
  - 3D DNR (Digital Noise Reduction)
  - Defog
  - Motion detection
  - Tampering alarm
  - Privacy mask
  - Removable IR-cut filter for Day/Night function
  - IP address filtering
  - Supports iPhone, iPad, Android & 3GPP
  - 31 languages on Web interface
  - ONVIF (Profile S) conformant
- \* No Memory card slot & local storage function for Argentina.**

### Active Tampering Alarm

Tampered



Focus Change



Camera Shift

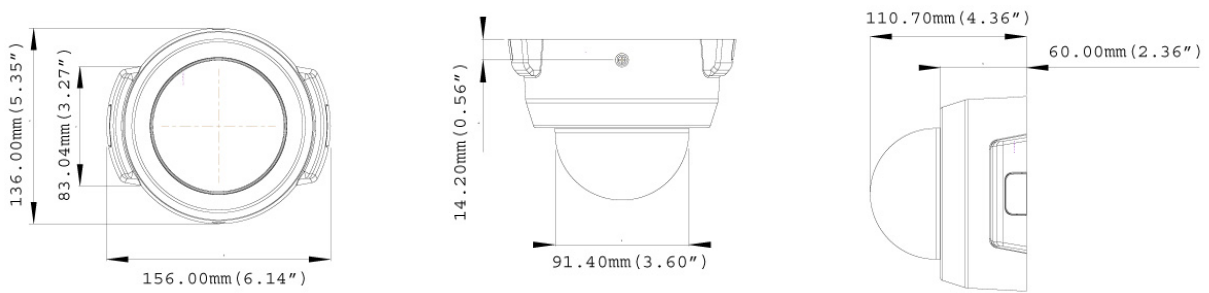


### Introduction

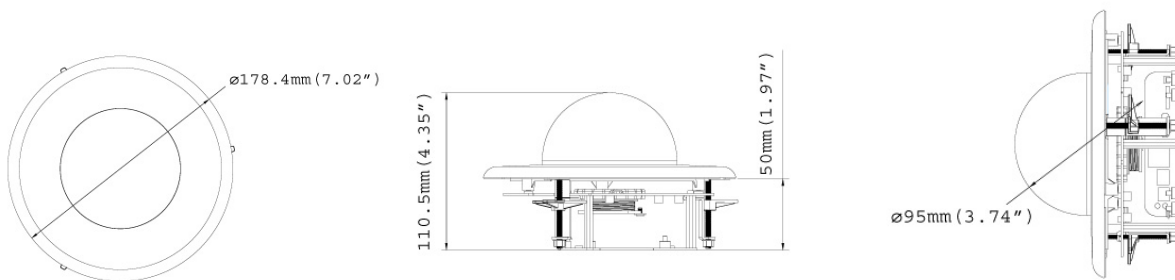
The GV-FD2510 is an indoor camera designed with 3-axis mechanism for easy and flexible installation. The camera is capable of providing a color live view in near darkness using its super low lux CMOS image sensor. With its motorized lens, the user can adjust the focus and zoom of the camera. The camera also supports various optional installations, including wall surface, wall corner, pole and ceiling using the GV-Mount accessories.

## Dimensions

### Hard-Ceiling Mount



### In-Ceiling Mount



## Specifications

Camera		
Image Sensor	1/2.8" progressive scan super low lux CMOS	
Picture Elements	1920 (H) x 1080 (V)	
Minimum Illumination	Color	0.02 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	52 dB	
WDR	Yes	
Lens		
Megapixel	Yes	
Day/Night	Yes (with removable IR-cut filter)	
Lens Type	Motorized varifocal lens	
Focal Length	3 ~ 9 mm	
Maximum Aperture	F/1.2	
Mount	$\varnothing 14\text{ mm}$	
Image Format	1/2.7"	
Horizontal FOV	103°~36°	
Operation	Focus	Auto Focus
	Zoom	3X Optical Zoom
	Iris	DC drive
IR LED Quantity	10 IR LEDs	
Max. IR Distance	30 m (98.4 ft)	
Operation		
Video Compression	H.264, MJPEG	
Video Streaming	Dual streams from H.264 and MJPEG	
Frame Rate	30 fps at 1920 x 1080	
	* The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).	

Operation		
Image Setting	Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR, Defog, Super Low Lux	
Audio Compression	G.711, AAC (optional)	
Audio Support	Two-Way Audio	
Sensor Input	1 Input (Dry Contact)	
Alarm Output	1 Output (200mA 5V DC)	
Video Resolution		
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240
	16:9	1920 x 1080, 1280 x 720, 640 x 360, 448 x 252
	5:4	1280 x 1024, 640 x 512, 320 x 256
Sub Stream	4:3	640 x 480, 320 x 240
	16:9	640 x 360, 448 x 252
	5:4	640 x 512, 320 x 256
Network		
Interface	10/100M Ethernet	
Ethernet Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS (DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA	
Mechanical		
Camera Angle Adjustment	Pan	0° ~ 350°
	Tilt	10° ~ 90°
	Rotation	0° ~ 340°
Temperature Detector	Yes	
Mechanical		
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In microphone phone jack, 3.5 mm (0.14") 1 Out Stereo phone jack, 3.5 mm (0.14")
	Digital I/O	3-pin terminal block, pitch 2.5 mm (0.1")
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) *SDXC and UHS-I card types are not supported.
	TV-Out	BNC connector (640 x 480 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 / 24V AC / PoE	
Max. Power Consumption	12 W	
Dimensions	ø 155 x 110 mm (6.1" x 4.33")	
Weight	580 g (1.28 lb)	
Vandal Resistance	IK7	
Regulatory	CE, FCC, RCM, RoHS compliant	
Power over Ethernet		
PoE Standard	IEEE 802.3af Power over Ethernet / PD	
PoE Power Supply Type	End-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, Digital I/O Control, Audio, Picture in Picture, Picture and Picture, Privacy Mask, Visual Automation, Tampering Alarm, 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		
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server	

### Applications

Smart Device Access	GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad
Live Viewing	IE, mobile phone
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

### Note:





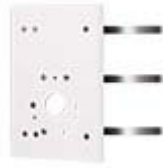



- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- Specifications are subject to change without notice.
- Mind the following when using a memory card for recording:
  - Recorded data on the memory card can be damaged or lost if the data are accessed while the camera is under physical shock, power interruption, memory card detachment or when the memory card reaches the end of its lifespan. No guarantee is provided for such causes.
  - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
  - For better performance, it is highly suggested to use Micro SD card of MLC NAND flash, Class 10.
  - Replace the memory card when its read/write speed is lower than 6 MB/s or when the memory card is frequently undetected by the camera.

### Packing List

- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. Fixed IP Dome          | 7. TV-out Wire                      |
| 2. Torx Wrench            | 8. Sticker                          |
| 3. Mounting Plate         | 9. GV-IPCAM H.264 Quick Start Guide |
| 4. Short Screw Anchor x 3 | 10. GV-IPCAM H.264 Software CD      |
| 5. Ceiling Screw x 3      | 11. GV-NVR Quick Start Guide        |
| 6. Plate Screw x 3        | 12. GV-NVR Software DVD             |

### Accessories

Model No.	Name		Details
GV-Mount100	Straight Tube and Junction Box Kit		Dimensions: 200 x 170 x 257.5 mm (7.9" x 6.7" x 10.1") 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") 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") Weight: 900 g (1.98 lb)

Model No.	Name		Details
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") Weight: 2.95 kg (6.5 lb)
GV-Mount205	Wall Mount Bracket Kit		Dimensions: 126.5 x 203 x 160 mm / 5 x 8 x 6.3" (L x W x diameter) Weight: 0.5 kg / 1.1 lb
GV-Mount300	Convex Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount310	Concave Corner Adapter Kit		Dimensions: 238.6 x 409.5 mm (9.4" x 16.1") Weight: 4.27 kg (9.41 lb)
GV-Mount400	Pole Mount Bracket Kit ( $\varnothing$ 4" ~ 6")		Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg ( 3.75 lb) Steel Strap Diameter: $\varnothing$ 4" ~ 6"
GV-Mount410	Pole Mount Bracket Kit ( $\varnothing$ 6" ~ 7.5")		Dimensions Bracket: 241 x 161 mm (9.5" x 6.3") Weight: 1.70 kg (3.75 lb) Steel Strap Diameter: $\varnothing$ 6" ~ 7.5"
GV-Mount702	Extension Tube		Four options are available. Dimensions: $\varnothing$ 5.4 x 10 or 20 or 30 or 50 cm ( $\varnothing$ 2.1" x 3.9" or 7.9" or 11.8" or 19.7") Weight: 180 g or 390 g or 550 g or 800 g (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")

Model No.	Name	Details
GV-Mount902	GV-FD Series Dome Housing	 <p>Dimensions: <math>\varnothing</math> 186 x 97.5 mm (<math>\varnothing</math> 7.3" x 3.8") Weight: 600 g (1.32 lb)</p>
GV-Mount909	Wall Mount Bracket	 <p>Dimensions: 170 x 150 x 110 mm (6.7" x 5.9" x 4.3") Weight: 610 g (1.34 lb)</p>
GV-Mount913	Power Box Mount Bracket	 <p>Dimensions: <math>\varnothing</math> 146 x 7.5 mm (<math>\varnothing</math> 5.7" x 0.3") Weight: 180 g (0.4 lb)</p>
	Smoked Cover	 <p>Dimensions: <math>\varnothing</math> 103.7 x 55 mm (4.08" x 2.16") Weight: 30g (0.07 lb) Vandal Resistance: IK7</p>
GV-PA191	Power over Ethernet (PoE) Adapter	 <p>The GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.</p>
GV-Relay V2	GV-Relay V2	 <p>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.</p>
Power Adapter	Power adapters are available in 5 regions: U.S.A., Australia, U.K, Europe and Brazil.	
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.	