

## GV-MFD2501 2MP H.264 Super Low Lux WDR Mini Fixed 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
- Day and night function (electronic)
- USB slot for GV-WiFi Adapter or USB hard drive
- Built-in micro SD card slot (SD/SDHC) for local storage
- Active Tampering alarm
- Wide Dynamic Range (WDR)
- 3D DNR (Digital Noise Reduction)
- Two-way audio
- Defog
- Motion detection
- Privacy mask
- IP address filtering
- iPhone, iPad, Android
- DC5V/ PoE
- Megapixel lens
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

\* No Memory card slot & local storage function for Argentina.

### Introduction

The GV-MFD2501 Series is an indoor, fixed, mini-sized network camera with different lens options. With its super low lux CMOS image sensor, the camera can produce color image at near darkness. The camera is equipped with a USB port which supports wireless connection through GV-WiFi Adapter (optional) or an external storage using a USB hard drive.

### Active Tampering Alarm

Tampered



Focus Change



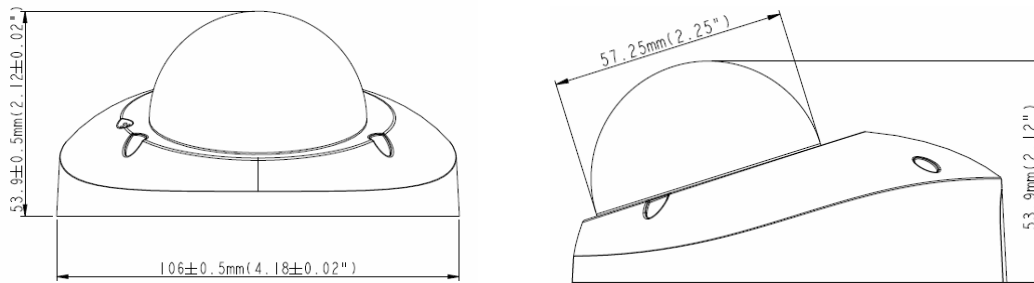
Camera Shift



### Models

Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
MFD2501-0F	Fixed	2.8 mm	F/2.0	1/3"
MFD2501-1F		4 mm	F/1.5	
MFD2501-2F		8 mm	F/1.6	
MFD2501-3F		12 mm	F/1.6	
MFD2501-4F		2.1 mm	F/1.8	

## Dimensions



## Specifications

Camera	GV-MFD2501-0F	GV-MFD2501-1F	GV-MFD2501-2F	GV-MFD2501-3F	GV-MFD2501-4F
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				
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				
<b>Lens</b>					
Megapixel	Yes				
Day/Night	Yes (Electronic)				
Iris	Fixed				
Focal Length	2.8 mm	4 mm	8 mm	12 mm	2.1 mm
Maximum Aperture	F/2.0	F/1.5	F/1.6	F/1.6	F/1.8
Mount	M12, Pitch 0.5 mm				
Image Format	1/3"				
Horizontal FOV	99°	72°	38°	25°	150°
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
<b>Operation</b>					
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).				
Image Setting	Brightness, Contrast, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, WDR, Defog, Super Low Lux				
Audio Compression	G.711, AAC (optional)				
Audio Support	Two-Way Audio				
Sensor Input	No				
Alarm Output	No				
<b>Video Resolution</b>					
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	10/100 Ethernet	
Ethernet Protocol	DHCP, DynDNS, FTP, HTTP, HTTPS, NTP, ONVIF (Profile S), PSIA, QoS(DSCP), RTSP, SNMP, SMTP, TCP, UDP, UPnP, 3GPP/ISMA	
Mechanical		
Temperature Detector	Yes	
Camera Angle Adjustment	Pan	-45° ~ 45°
	Tilt	0° ~ 90°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45
	Audio	1 In (built-in microphone), 1 Out (RCA female for speaker)
	USB	GV-WiFi Adapter or USB hard drive
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * SDXC and UHS-I card types are not supported.
LED Indicator	4 LEDs: Link, ACT, Power, Status	
General		
Camera Housing	black, white	
Environment Temperature	0 °C ~ 50 °C (32 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	5V DC / PoE (IEEE 802.3af)	
Max. Power Consumption	6 W	
Dimension	ø 106 x 53.9 mm (4.2" x 2.1")	
Weight	280 g (0.62 lb)	
Regulatory	CE, FCC, C-Tick, RoHS compliant	
Power over Ethernet		
PoE Standard	IEEE 802.3af Class 3 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, Audio, Picture in Picture, Picture and 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		
Network Storage	GV-NVR, GV-System, GV-Backup Center, GV-Recording Server	
Smart Device Access	GV-Eye for Android smartphone, tablet, iPhone, and iPod Touch GV-Eye HD for iPad	
Live Viewing	IE, mobile phone	
QMS Server support	GV-Control Center, GV-Center V2, GV-VSM	

**Note:**

- Mind the following limitations and requirements for the USB port:
  - The USB hard drive must be of 2.5" or 3.5", version 2.0 or above
  - The USB hard drive's storage capacity must not exceed 2TB
  - USB flash drives and USB hubs are not supported
  - External power supply is required for the USB hard drive
  - To connect the GV-WiFi Adapter, make sure it is connected before the camera is powered on.
- Specifications are subject to change without notice.

## Packing List

- |                           |                                     |
|---------------------------|-------------------------------------|
| 1. Mini Fixed Dome        | 7. USB/ Audio Y-cable               |
| 2. Torx Wrench            | 8. GV-IPCAM H.264 Quick Start Guide |
| 3. Self Tapping Screw x 2 | 9. GV-IPCAM H.264 Software CD       |
| 4. Screw Anchor x 2       | 10. GV-NVR Quick Start Guide        |
| 5. Cable Stopper          | 11. GV-NVR Software DVD             |
| 6. Short-Body RJ-45 Plug  |                                     |

## Accessories

Model No.	Name	Details
GV-PA191 PoE Adapter		 <p>Weight: 130 g (0.29 lb) Dimensions: 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")</p>
GV-WiFi Adaptor		 <p>Weight: 20 g (0.04 lb) Dimensions: 15 x 15 x 155 mm (0.59" x 0.59" x 6.10") Supplied with mini USB to standard USB adapter.</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.

