

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
 - Recording assigned by GV-Edge Recording Manager ([Windows](#), [Mac](#) version)
 - Active Tampering alarm
 - Wide Dynamic Range (WDR)
 - 3D noise reduction
 - Two-way audio
 - Defog
 - Motion detection
 - Privacy mask
 - IP address filtering
 - iPhone, iPad, Android
 - DC 5V / PoE (IEEE 802.3af)
 - Megapixel lens
 - Supports iPhone, iPad, Android & 3GPP
 - 31 languages on Web interface
 - ONVIF (Profile S) conformant
 - More Storage Option - [NAS](#)
- * 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

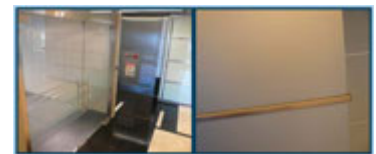
Tampered



Focus Change



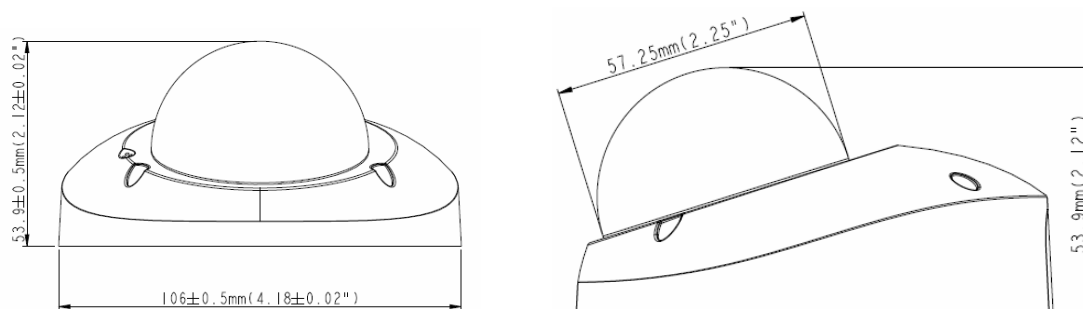
Camera Shift



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	
MFD2501-5F		3.8 mm	F/1.8	
MFD2501-6F		2.3 mm	F/2.2	

Dimensions



Specifications

Camera		GV-MFD2501 -0F	GV-MFD2501 -1F	GV-MFD2501 -2F	GV-MFD2501 -3F	GV-MFD2501 -5F	GV-MFD2501 -6F
Image Sensor		1/2.8" progressive scan super low lux CMOS					
Picture Elements		1920 (H) x 1080 (V)					
Minimum Illumination	Color B/W	0.02 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 (Electronic)					
Iris		Fixed					
Focal Length		2.8 mm	4 mm	8 mm	12 mm	3.8 mm	2.3 mm
Maximum Aperture		F/2.0	F/1.5	F/1.6	F/1.6	F/1.8	F/2.2
Mount		M12, Pitch 0.5 mm					
Image Format		1/3"					
Horizontal FOV		99°	72°	38°	25°	72°	122°
Operation	Focus	Fixed					
	Zoom	Fixed					
	Iris	Fixed					

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).					
Image Setting		Brightness, Contrast, Saturation, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, D/N Sensitivity, WDR, Defog, Super Low Lux, Denoise, Metering					
Audio Compression		G.711, AAC (optional)					
Audio Support		Two-Way Audio					
Sensor Input		No					
Alarm Output		No					

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		10/100 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, RCM, RoHS compliant
Power over Ethernet		
PoE Standard		PoE (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, 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-System (GV-DVR/NVR), GV-Backup Center, GV-Recording Server, GV-VMS
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		IE, Mobile App
CMS Server support		GV-Control Center, GV-Center V2, GV-Vital Sign Monitor

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.
- Mind the following when using an inserted 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.
 - The stored data can be lost if the memory card is not accessed for a long period of time. Back up your data periodically if you seldom access the memory card.

- Memory cards are expendable and their durability varies according to the conditions of the installed site and how they are used. Back up your data regularly and replace the memory card annually.
 - 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.
3. Specifications are subject to change without notice.

Packing List

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

Note: The power adapter can be excluded 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-Mount909 Wall Box Mount 	Dimensions: 170 x 150 x 110 mm (6.7 x 5.9 x 4.3") Weight: 0.61 kg (1.34 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)

Model No./Name	Details
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)
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.
GV-WiFi Adaptor 	Dimensions: 15 x 15 x 155 mm (0.59" x 0.59" x 6.10") Weight: 20 g (0.04 lb) Supplied with mini USB to standard USB adapter.