

GV-MFD2501 2MP H.264 Super Low Lux WDR Mini Fixed Dome





- 1/2.8" progressive scan super low lux CMOS
- Megapixel lens
- Min. illumination at 0.02 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Wide Dynamic Range (WDR)
- Two-way audio
- USB slot for GV-WiFi Adaptor or USB hard drive
- Built-in micro SD card slot (SD/SDHC) for local storage
- DC 5V / PoE (IEEE 802.3af)
- Recording assigned by GV-Edge Recording Manager (Windows, Mac version)
- Day and night function (electronic)
- Tampering alarm
- 3D noise reduction
- Defog
- Motion detection
- Privacy mask
- IP address filtering
- iPhone, iPad, Android
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant
- More Storage Option NAS

Introduction

The GV-MFD2501 Series are indoor, fixed, mini-sized network cameras with different lens options. With super low lux CMOS image sensors, the cameras can produce color image in low-light conditions. The cameras are each equipped with an USB port which supports wireless connection through GV-WiFi Adaptor (optional) or an external storage using an 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		
MFD2501-1F		4 mm	F/1.5		
MFD2501-2F		8 mm	F/1.6	1 /2"	
MFD2501-3F		12 mm	F/1.6	1/3"	
MFD2501-5F		3.8 mm	F/1.8		
MFD2501-6F		2.3 mm	F/2.2		

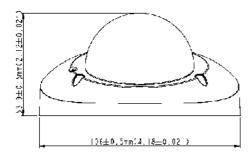
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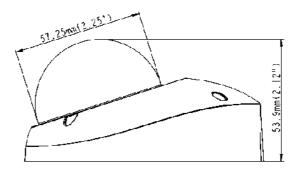
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^{*} No Memory card slot & local storage function for Argentina.



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" progre	ssive scan supe	r low lux CMOS			
Picture Elements		1920 (H) x 10	80 (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 (Electroni	ic)				
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°
	Focus	Fixed					
Operation	Zoom	Fixed					
	Iris	Fixed					
Operation							
Video Compression		H.264, MJPE	ì				
Video Streaming		Dual streams from H.264 and MJPEG					
Frame Rate		* The frame r	0 x 1080 (60/50 rate and the per rates (different so	formance may v	ary depending (on the number	of connections
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, Noise Reduction, Metering					
Audio Compression		G.711, AAC (optional)					
Audio Support		Two-Way Aud	dio				
Sensor Input		N/A					
Alarm Output		N/A					
Video Resolution							
	4:3		40 x 480, 320 x				
Main Stream	16:9			720, 640 x 360,	448 x 252		
	5:4		640 x 512, 320 x	< 256			
	4:3	640 x 480, 32					
Sub Stream	16:9		8 x 252 (Default	:)			
	5:4	640 x 512, 32	0 x 256				

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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 Detect	or	Yes			
Camera Angle	Pan	-45° ~ 45°			
Adjustment	Tilt	0°~90°			
	Power	2-pin terminal block, PoE			
Connectors	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 Tempe	rature	0 °C ~ 50 °C (32 °F ~ 122 °F)			
Humidity		10% to 90% (no condensation)			
Power Source		5V DC/PoE (IEEE 802.3af)			
Max. Power Consum	ption	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 Ty	/pe	End-Span End-Span			
PoE Power Output		Per Port 48V DC, 350mA. Max. 15.4 watts			
Web Interface					
Installation Manager	ment	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, Digita 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-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:

- 1. 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 using an USB hard drive.
 - To connect the GV-WiFi Adaptor, make sure it is connected before the camera is powered on.
- 2. 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 prolonged period of time. Back up your data periodically if you seldom access the memory card.

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- 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 recommended to apply a battery backup (UPS).
- For better performance, it is highly recommended 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	6.	Short-Body RJ-45 Plug
2.	Torx Wrench	7.	USB / Audio Y-cable
3.	Self Tapping Screw x 2	8.	Power Adapter
4.	Screw Anchor x 2	9.	Download Guide
5.	Cable Stopper	10.	Warranty Card

Note: The power adapter can be excluded upon request.

Model No./Name	Details		
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)

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)

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Model No./Name	Details		
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)		
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Power Adapter	Contact our sales representatives for the countries and areas supported.		
GV-PoE Switch GV-PoE Switch is designed to provide power along with network IP devices. GV-PoE Switch is available in various models with diffe and types of ports.			
GV-WiFi Adaptor V2	GV-WiFi Adaptor V2 is designed to connect GV-IP devices to the wireless network.		

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