

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
- DC 5V / 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



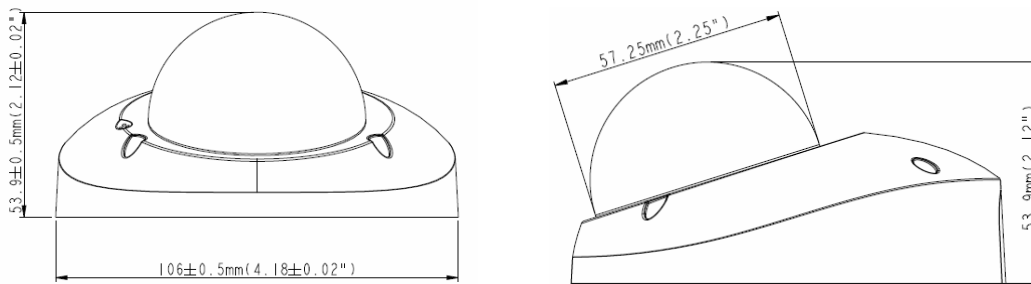
Camera Shift



Models

Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
MFD2501-0F	Fixed	3 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 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	3 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"				
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, Sharpness, Gamma, White Balance, Flicker-less 50/60 Hz, Image Orientation, Shutter Speed, Backlight Compensation, WDR, Defog, Super Low Lux
Audio Compression	G.711
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	∅ 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, Digital I/O Control, 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	
CMS 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

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|---------------------------|-------------------------------------|
| 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.