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.
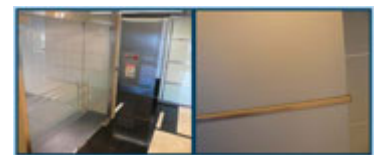
Active Tampering Alarm

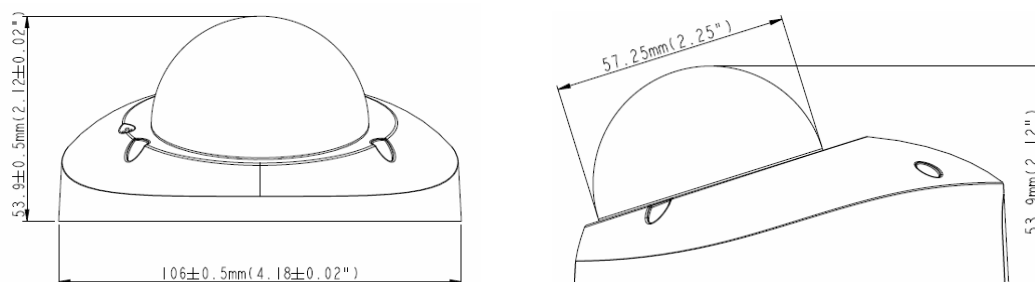Tampered   Focus Change   Camera Shift

Models

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

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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		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				
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, 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, 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
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM

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 the USB hard drive
   - To connect the GV-WiFi Adapter, make sure it is connected before the camera is powered on.

2. 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		Weight: 130 g (0.29 lb) Dimensions: 43 x 69 x 40 mm (1.69'' x 2.72'' x 1.57'')
GV-WiFi Adaptor		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.
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.