GV-MFD1501   1.3MP H.264 Super Low Lux WDR Mini Fixed Dome

- 1.3" Megapixel Progressive Scan super low lux CMOS
- Megapixel lens
- Min. illumination at 0.01 lux
- Dual streams from H.264 and MJPEG
- Up to 30 fps at 1280 x 1024
- Wide Dynamic Range (WDR)
- DC 5V / PoE (IEEE 802.3af)
- USB slot for GV-WiFi Adaptor or USB hard drive
- Two-way audio
- Built-in micro SD card slot (SD/SDHC) for local storage
- 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

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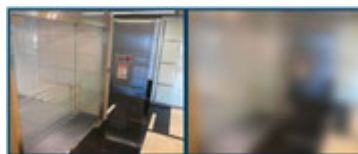
Introduction

The GV-MFD1501 Series are indoor, fixed, mini-sized network cameras with various lens options. The cameras are equipped with Super Low Lux CMOS image sensors capable of providing color live view in low-light conditions. The cameras' USB ports support wireless connection through GV-WiFi Adapter (optional) and external storage using USB hard drives.
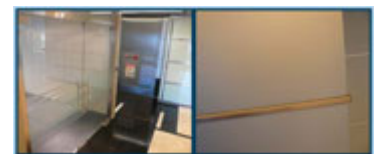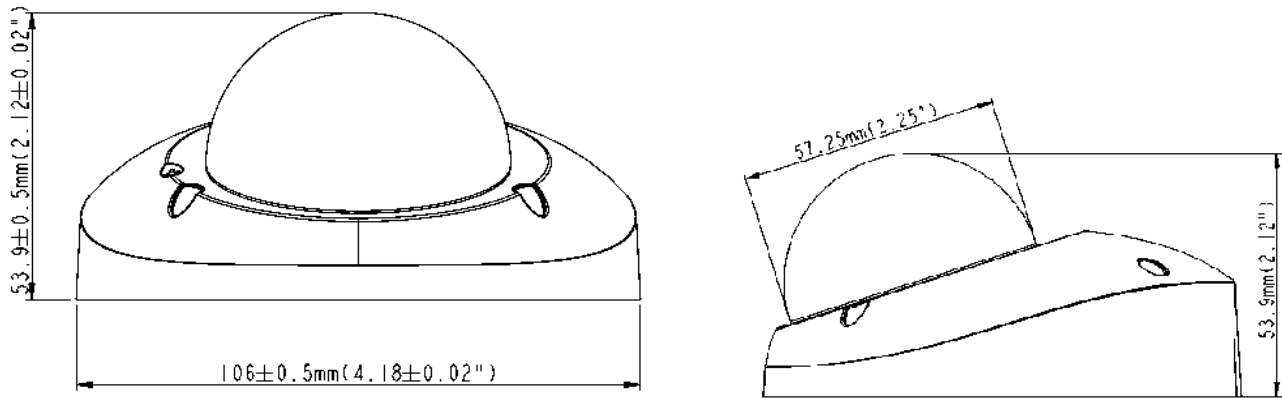
Active Tampering Alarm

Tampered	Focus Change	Camera Shift

Models

Models	Iris	Focal Length (mm)	Maximum Aperture	Image Format
MFD1501-0F	Fixed	2.8 mm	F/2.0	1/3"
MFD1501-1F		4 mm	F/1.5	
MFD1501-2F		8 mm	F/1.6	
MFD1501-3F		12 mm	F/1.6	
MFD1501-4F		2.1 mm	F/1.8	
MFD1501-5F		3.8 mm	F/1.8	

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Dimensions

Specifications

Camera		GV-MFD1501 -0F	GV-MFD1501 -1F	GV-MFD1501 -2F	GV-MFD1501 -3F	GV-MFD1501 -4F	GV-MFD150 1-5F
Image Sensor		1/3" progressive scan super low lux CMOS					
Picture Elements		1280 (H) x 1024 (V)					
Minimum Illumination	Color B/W	0.01 Lux					
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)					
White Balance		Automatic, Manual (2800K ~ 8500K)					
Gain Control		Automatic					
S/N Ratio		55 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	3.8 mm
Maximum Aperture		F/2.0	F/1.5	F/1.6	F/1.6	F/1.8	F/1.8
Mount		M12, Pitch 0.5 mm					
Image Format		1/3"					
Horizontal FOV		87°	67°	35°	22°	124°	64°
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 1280 x 1024 (60/50 Hz) * 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, Noise Reduction, Metering					
Audio Compression		G.711, AAC (optional)					
Audio Support		Two-Way Audio					
Sensor Input		N/A					
Alarm Output		N/A					

Video Resolution			
Main Stream	4:3	1280 x 960, 640 x 480, 320 x 240	
	16:9	1280 x 720, 640 x 360, 448 x 252	
	5:4	1280 x 1024 (Default), 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 (Default)	

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 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 Adaptor 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-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 2 TB.
   - USB flash drives and USB hubs are not supported.
   - External power supply is required for using an USB hard drive.
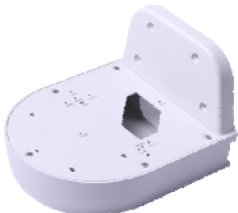   - To connect the GV-WiFi Adaptor, make sure it is connected before the camera is powered on.

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.
   - 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.

Accessories

Model No./Name	Details
GV-Mount909 Wall Mount Bracket	Dimensions: 170 x 150 x 110 mm (6.7'' x 5.9" x 4.3'') Weight: 610 g (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) - 5 -
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 our sales representatives for the countries and areas supported.
GV-PoE Switch	GV-PoE Switch is designed to provide power along with network connection for IP devices. GV-PoE Switch is available in various models with different numbers and types of ports.
GV-WiFi Adaptor V2	GV-WiFi Adaptor V2 is designed to connect GV-IP devices to the wireless network.