# GV-MFD5301 5MP H.264 WDR Mini Fixed Dome

- 5 Megapixel Progressive Scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 10 fps at 2560 x 1920
- 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)
- 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-MFD5301 Series offers an indoor, fixed, mini-sized network camera with different lens options. The camera can process scenes with contrasting intensity of lights and produce clear image using the built-in WDR. The camera is equipped with a USB port which supports wireless connection through GV-WiFi Adapter (optional) or external storage using a USB hard drive.

## Active Tampering Alarm

Tampered

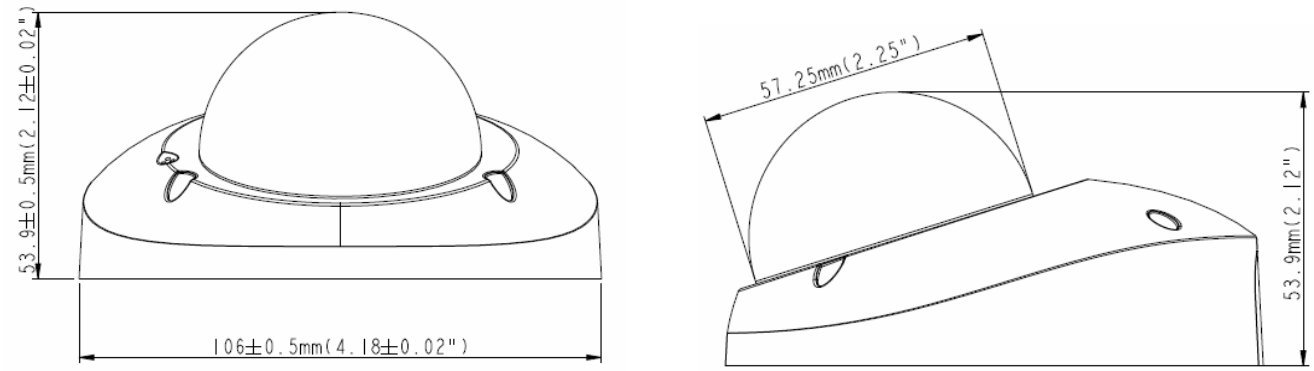
Focus Change

Camera Shift

## Models

| Models | Iris | Focal Length (mm) | Maximum Aperture | Image Format |
|---|---|---|---|---|
| MFD5301-0F | Fixed | 3 mm | F/2.0 | 1/3” |
| MFD5301-1F | | 4 mm | F/1.5 | |
| MFD5301-2F | | 8 mm | F/1.6 | |
| MFD5301-3F | | 12 mm | | |

## Dimensions




## Specifications

| Camera | | GV-MFD5301-0F | GV-MFD5301-1F | GV-MFD5301-2F | GV-MFD5301-3F |
|---|---|---|---|---|---|
| Image Sensor | | 1/2.5" progressive scan CMOS | | | |
| Picture Elements | | 2560 (H) x 1920 (V) | | | |
| Minimum Illumination | Color | 0.15 Lux | | | |
| | B/W | 0.10 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 | | 3 mm | 4 mm | 8 mm | 12 mm |
| Maximum Aperture | | F/2.0 | F/1.5 | F/1.6 | F/1.6 |
| 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 | | 10 fps at 2560 x 1920<br>* 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 | | | |
| Audio Compression | | G.711 | | | |
| Sensor Input | | No | | | |
| Alarm Output | | No | | | |
| **Video Resolution** | | | | | |
| Main Stream | 4:3 | 2560 x 1920, 2048 x 1536, 1600 x 1200, 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 | | 10/100M 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),<br>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)<br>* **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, 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<br>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
2. Torx Wrench
3. Self Tapping Screw x 2
4. Screw Anchor x 2
5. Cable stopper x 1
6. Short-Body RJ-45 Plug
7. USB / Audio Y-cable
8. GV-IPCAM H.264 Quick Start Guide
9. GV-IPCAM H.264 Software CD
10. GV-NVR Quick Start Guide
11. GV-NVR Software DVD

## Accessories

| Model No. | Name | Details |
|---|---|---|
| GV-PA191 PoE Adapter | | Weight: 130 g (0.29 lb)<br>Dimensions: 43 x 69 x 40 mm (1.69'' x 2.72'' x 1.57") |
| GV-WiFi Adaptor | | Weight: 20 g (0.04 lb)<br>Dimensions: 15 x 15 x 155 mm (0.59'' x 0.59'' x 6.10'')<br>Supplied with mini USB to standard USB adapter. |
| Power Adapter | | Power adapters are available in 4 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. |