

## GV-MDR5300 Series 5MP H.264 WDR Mini Fixed Rugged Dome



- 1/2.5" progressive scan CMOS
- Dual streams from H.264 and MJPEG
- Up to 10 fps at 2560 x 1920
- Day and night function (electronic)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- EN50155 compliance for rolling stock applications
- Wide temperature tolerance (-30 °C ~ 50 °C / -22 °F ~ 122 °F)
- 3-axis mechanism:  
pan (-45° ~ +45°), tilt (0° ~ 90°), rotate (0° ~ 360°)
- Built-in microphone
- Built-in micro SD card slot (SD/SDHC) for local storage
- PoE (IEEE 802.3af)
- Wide Dynamic Range (WDR)
- 2D noise reduction
- Defog
- Motion detection
- Tampering alarm
- Privacy mask
- Text overlay
- IP address filtering
- 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-MDR5300 Series offers an outdoor, 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 conforms to IK10 and IP67 standards. It is adjustable in 3 axis (pan, tilt and rotate) and can be connected through PoE.

### Models

Model	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-MDR5300-1F	Fixed	2.8	F/2.0	1/3"
GV-MDR5300-2F	Fixed	3.8	F/1.8	1/3"

### Active Tampering Alarm

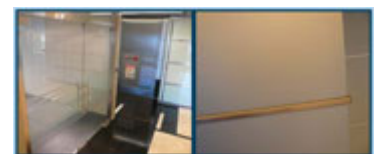
Tampered



Focus Change

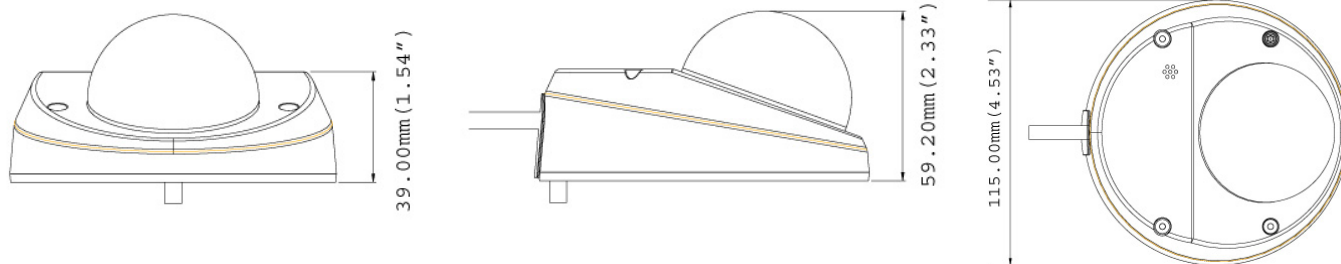


Camera Shift



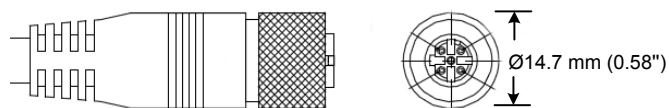
## Dimensions

- Dimensions

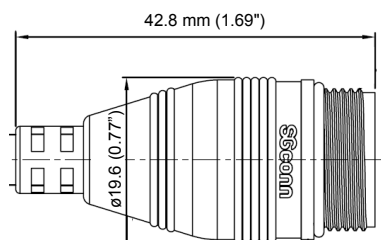


- LAN Connector

1. Waterproof M12 4-Pin Female Connector (for motor vehicles)



2. Small Waterproof Connector



## Specifications

Camera		GV-MDR5300-1F	GV-MDR5300-2F
Image Sensor		1/2.5" progressive scan CMOS	
Picture Elements		2560 (H) x 1920 (V)	
Minimum Illumination	Color	0.15 Lux	
	BW	0.10 Lux	
Shutter Speed		Automatic, Manual (1/5 ~ 1/8000 sec.)	
White Balance		Automatic, Manual (2800K ~ 8500K)	
Gain Control		Automatic	
S/N Ratio		45 dB	
WDR		Yes	
Lens			
Megapixel		Yes	
Day/Night		Yes (electronic)	
Iris		Fixed	
Focal Length		2.8 mm	3.8 mm
Maximum Aperture		F/2.0	F/1.8
Mount		M12, Pitch 0.5 mm	
Image Format		1/3"	
Horizontal FOV		104°	76°
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 * 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, Denoise, Metering	
Audio Compression		G.711, AAC (optional)	
Audio Support		One-Way Audio	
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		10/100 Ethernet	
Ethernet Protocol		HTTP, HTTPS, TCP, UDP, SMTP, FTP, DHCP, NTP, UPnP, DynDNS, 3GPP/ISMA, RTSP, PSIA, SNMP, QoS (DSCP), ONVIF (Profile S)	
Mechanical			
Temperature Detector		Yes	
Camera Angle Adjustment	Pan	-45° ~ 45°	
	Tilt	0° ~ 90°	
	Rotate	0° ~ 360°	
Connectors	Power	PoE (IEEE 802.3af)	
	Ethernet	Ethernet (10/100 Base-T), RJ-45	
	Audio	Built-in microphone	
	Local Storage	Micro SD card slot (SD/SDHC, SD version 2.0 only, Class 10) * <b>SDXC</b> and <b>UHS-I</b> card types are not supported.	
LED Indicator		3 LEDs: Link, Power, Status	

General		
Environment Temperature	-30 °C ~ 50 °C (-22 °F ~ 122 °F)	
Humidity	10% to 90% (no condensation)	
Power Source	PoE (IEEE 802.3af)	
Max. Power Consumption	3.81 W	
Dimensions	Camera Body	ø 115 x 59.2 mm
	Cable Length	1.054 m (41.5")
	Cable Diameter	ø 6.2mm
	Maximum Connector Diameter	ø 27 mm
Weight	568 g (1.3 lb)	
Ingress Protection	IP67	
Vandal Resistance	IK10 for metal casing	
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-NVR, GV-System, GV-Backup Center, GV-Recording Server	
Smart Device Access	GV-Eye for iOS and Android	
Live Viewing	IE, mobile phone	
CMS Server support	GV-Control Center, GV-Center V2, GV-VSM	






**Note:**

- Specifications are subject to change without notice.
- 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.
  - To avoid power outage, it is highly suggested to apply a battery backup (UPS).
  - For better performance, it is highly suggested 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.

## Packing List

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|--|--|
| 1. Mini Fixed Rugged Dome with 2 options for its LAN connector (connector for motor vehicles or for general use) | 8. Silica gel bag x 2                    |
| 2. Torx Wrench   | 9. Ferrite core for vehicle installation |
| 3. Self Tapping Screw x 2  | 10. GV-IPCAM H.264 Quick Start Guide     |
| 4. Screw Anchor x 2  | 11. Adhesive tape x 2                    |
| 5. Cable stopper   | 12. GV-IPCAM H.264 Software DVD          |
| 6. Cable Connector   | 13. GV-NVR Quick Start Guide             |
| 7. Installation sticker  | 14. GV-NVR Software DVD                  |

## Accessories

Model No./Name	Details
<b>GV-Mount900 Wall Mount Bracket</b> 	Dimensions: 154 x 108 x 50 mm (6.1" x 4.3" x 2") Weight: 240 g (0.53 lb)
<b>GV-Mount909 Wall Mount Bracket</b> 	Dimensions: 170 x 150 x 110 mm (6.7" x 5.9" x 4.3") Weight: 610 g (1.34 lb)
<b>GV-Mount910 Power Box Mount Bracket</b> 	Dimensions: 112 x 98 x 7.5 mm (4.4" x 3.9" x 0.3") Weight: 105 g (0.23 lb)
<b>GV-Mount913 Power Box Mount Bracket</b> 	Dimensions: $\varnothing$ 146 x 7.5 mm ( $\varnothing$ 5.7" x 0.3") Weight: 180 g (0.4 lb)
<b>GV-PA191 PoE Adapter</b> 	Weight: 130 g (0.29 lb) Dimensions (H x W x D): 43 x 69 x 40 mm (1.69" x 2.72" x 1.57")
<b>GV-POE Switch</b>	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.