

## GV-EFD2100 Series 2MP H.264 Low Lux WDR IR Mini Fixed IP Dome



- 1/2.8" progressive scan low lux CMOS
- Dual streams from H.264 and MJPEG
- Up to 25 fps at 1920 x 1080
- Intelligent IR
- Day and Night function (with removable IR-cut filter)
- 2-axis mechanism (pan / tilt)
- Built-in microphone
- Wide Dynamic Range (WDR)
- Defog
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- IP address filtering
- DC 12V / PoE (IEEE 802.3af)
- Megapixel lens
- [NAS Recording](#)
- Recording assigned by GV-Edge Recording Manager ([Windows](#) & [Mac](#))
- Supports iPhone, iPad, Android & 3GPP
- 31 languages on Web interface
- ONVIF (Profile S) conformant

\* For optimal performance and compatibility, it is highly recommended to use a GV-NAS System.

### Introduction

The Target Mini Fixed Dome is an indoor, fixed, mini-sized network camera equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. Adjustable in 2 axis (pan and tilt), it offers an entry-level surveillance solution with all the essential features and excellent image quality.

### Models

Model	Iris	Focal Length (mm)	Maximum Aperture	Image Format
GV-EFD2100-0F	Fixed	2.8	F/2.0	1/2.7"
GV-EFD2100-2F	Fixed	3.8	F/1.8	1/2.7"

### Active Tampering Alarm

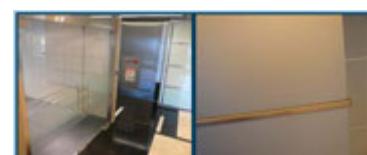
Tampered



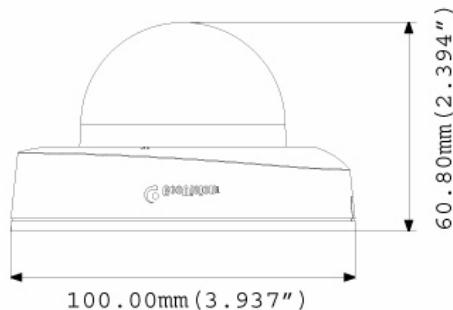
Focus Change



Camera Shift



## Dimensions



## Specifications

Camera	GV-EFD2100-0F		GV-EFD2100-2F		
Image Sensor	1/2.8" progressive scan low lux CMOS				
Picture Elements	1920 (H) x 1080 (V)				
Minimum Illumination	Color	0.07 Lux			
	B/W	0.04 Lux			
	IR ON	0 Lux			
Shutter Speed	Automatic, Manual (1/5 ~ 1/8000 sec.)				
White Balance	Automatic, Manual (2800K ~ 8500K)				
Gain Control	Automatic				
S/N Ratio	48 dB				
WDR	Yes				
Dynamic Range	Up to 72 dB				
Lens					
Megapixel	Yes				
Day/Night	Yes (with removable IR-cut filter)				
Focal Length	2.8 mm	3.8 mm			
Lens Type	Fixed				
Maximum Aperture	F/2.0		F/1.8		
Mount	M12, Pitch 0.5 mm				
Horizontal FOV	99°	72°			
Image Format	1/2.7"				
Operation	Focus	Fixed			
	Zoom	Fixed			
	Iris	Fixed			
IR LED Quantity	12 IR LEDs				
Max. IR Distance	15 m (50 ft)				
Operation					
Video Compression	H.264, MJPEG				
Video Streaming	Dual streams from H.264 and MJPEG				
Frame Rate	25 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, Saturation, Sharpness, Gamma, White Balance, Flicker-less, Image Orientation, Shutter Speed, D/N Sensitivity, Backlight Compensation, WDR, Defog				
Audio Compression	G.711, AAC (Optional)				
Audio Support	One-way Audio				
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
<b>Network</b>		
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
<b>Mechanical</b>		
Camera Angle Adjustment	Pan	-45° ~ 45°
	Tilt	0° ~ 63°
Connectors	Power	2-pin terminal block, PoE
	Ethernet	Ethernet (10/100 Base-T), RJ-45 cable
	Audio	1 In (built-in microphone)
LED Indicator		4 LEDs: Link, ACT, Power, Status
<b>General</b>		
Environment Temperature		0 °C ~ 45 °C (32 °F ~ 113 °F)
Humidity		10% to 90% (no condensation)
Power Source		12V DC/PoE (IEEE 802.3af)
Max. Power Consumption		5.8 W
Dimension		Ø 100 x 60 mm (3.9" x 2.4")
Weight		148 g (0.33 lb)
Regulatory		CE, FCC, RCM, RoHS compliant
<b>Power over Ethernet</b>		
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
<b>Web Interface</b>		
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
<b>Applications</b>		
Network Storage		GV-NVR, GV-System, 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

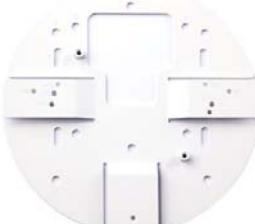
**Note:** Specifications are subject to change without prior notice.

### Packing List

1. Target Mini Fixed Dome	5. GV-IPCAM H.264 Quick Start Guide
2. Screw x 2	6. GV-IPCAM H.264 Software DVD
3. Screw Anchor x 2	7. GV-NVR Quick Start Guide
4. Focus adjustment clip	8. GV-NVR Software DVD

**Note:** Power adapters can be purchased upon request.

## 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: Ø 146 x 7.5 mm (Ø 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>Power Adapter</b>	Power adapters are available in 4 regions: U.S.A., Australia, U.K and Europe.
<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.