

GV-TVD2712 2MP H.265 4.3x Zoom Super Low Lux WDR Pro IR Vandal Proof IP

Dome



- 1/2.7" progressive scan super low lux CMOS sensor
- Min. illumination at 0.003 lux
- Dual streams from H.265, H.264 or MJPEG
- Up to 30 fps at 1920 x 1080
- Wide Dynamic Range Pro (WDR Pro)
- Day and Night function (with removable IR-cut filter)
- IR distance up to 40 m (130 ft)
- Motorized varifocal lens for remote focus / zoom adjustment
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- 3-axis mechanism (pan / tilt / rotate)
- Ingress protection (IP67)
- Vandal Resistance (IK10 for metal casing)
- DC 12V / PoE (IEEE 802.3af)
- Built-in microphone
- Defog
- 3D noise reduction
- Motion detection
- Tampering alarm
- Text overlay
- Privacy mask
- 12 languages supported
- ONVIF (Profile G, S, T) conformant

Introduction

GV-TVD2712 is an outdoor, network camera equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. The camera supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. The camera adheres to IP67 and IK10 standards, and can be powered through PoE.

Active Tampering Alarm

Tampered



Focus Change



Camera Shift



Specifications

Camera						
Image Sensor	1/2.7" progressive scan low lux CMOS					
Picture Elements	1920 (H) x 1080 (V)					
Minimum Illumination	Color	0.003 Lux (F1.6, AGC ON)				
	IR ON	0 Lux				
Shutter Speed	Auto / Manual (1 ~ 1/100,000 sec)					
White Balance	Auto / Manual					
Gain Control	Auto / Manual					
S/N Ratio	52 dB					
WDR Pro	Yes					
Dynamic Range	120 dB					
Lens						
Megapixel	2 MP					
Day / Night	Yes (with removable IR-cut filter)					
Lens Type	Motorized varifocal lens					
Focal Length	2.8 ~ 12 mm					
Maximum Aperture	F1.6					
Mount	Ø 14 mm					
Horizontal FOV	103.6° ~ 33.4°					
Operation	Focus	Automatic / Manual				
	Zoom	4.3x Optical Zoom				
	Iris	Fixed				
IR LED Quantity	2 IR LEDs					
Max. IR Distance	40 m (130 ft)					
DORI	2.8 mm	12 mm	Detect	Observe	Recognize	Identify
Lens	2.8 mm	12 mm	43.4 m (142.5 ft)	17.4 m (57.0 ft)	8.7 m (27.5 ft)	4.3 m (14.3 ft)
			186.2 m (610.9 ft)	74.5 m (244.4 ft)	37.2 m (122.2 ft)	18.6 m (61.1 ft)
Operation						
Video Compression	H.265, H.264, MJPEG					
Video Streaming	Dual streams					
Video Resolution	Main Stream	1920 x 1080 (Default), 1280 x 720				
	Sub Stream	1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default)				
Frame Rate	30 fps at 1920 x 1080, 1280 x 720(60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).					
Maximum throughput	50 Mb					
Maximum stream * When the total bitrate is within the maximum throughput	6					
Video Analytics	Motion Detection, Tampering Alarm, Cross Line, Intrusion, Audio Detection. * Tampering alarm, Cross line, Intrusion, Audio detection are only accessible through the camera's Web interface, which can be used to trigger alerts such as e-mail and FTP					
Image Setting	Brightness, Saturation, Contrast, Sharpness, Flicker-less, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format)					
Audio Compression	G.711U, G.711A					
Audio Support	One-way Audio					
Network						
Interface	10/100 Base-T Ethernet					
Protocol	ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, ONVIF (Profile G, S, T), QoS, RTCP, RTP, RTSP, SMTP, SNMP, SSL/TLS, TCP, UDP, UPnP					
Mechanical						
Camera Angle Adjustment	Pan	3° ~ 360°				
	Tilt	0° ~ 70°				
	Rotate	3° ~ 360°				
Connectors	Power	DC Jack, PoE				
	Ethernet	RJ-45 connector				
	Audio	Built-in microphone				Yes

	External microphone required	No
	Built-in speaker	No
	External speaker required	No
	* Choose either the built-in or external mic; similarly for speaker.	
	* The Audio In port only support microphones with power supply.	
Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10), up to 256 GB *UHS-II card type is not supported.	

General

Operating Temperature	-30 °C ~ 60 °C (-22 °F ~ 140 °F)
Humidity	0% ~ 95% (no condensation)
Power Source	DC 12V / PoE (IEEE 802.3af)
Max. Power Consumption	8.0 W
Dimensions	Ø 128 x 100 mm (Ø 5.0" x 3.9")
Weight	0.66 kg (1.46 lb)
Ingress Protection	IP67
Vandal Resistance	IK10 (for metal casing)
Certification	FCC, CE, RoHS, UL compliant

Web Interface

Installation Management	Web-based configuration
Maintenance	Firmware upgrade through Web Browser or GV-IP Device Utility
Access from Web Browser	Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Defog, Text Overlay, Image Masking
Language	Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese

Applications

Software Supported	GV-VMS (V17.4.8 / V18.3.4 with patch), GV-Control Center (V4.2.1.0), GV-Recording Server / Video Gateway (V2.1.1), GV-Edge Recording Manager Windows version (V2.2.8)
Smart Device Access	GV-Eye for iOS and Android (V3.1.2)
Live Viewing	Browser (IE, Edge, Chrome, Firefox), Mobile App

Note:








- Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
- Specifications are subject to change without notice.

Packing List

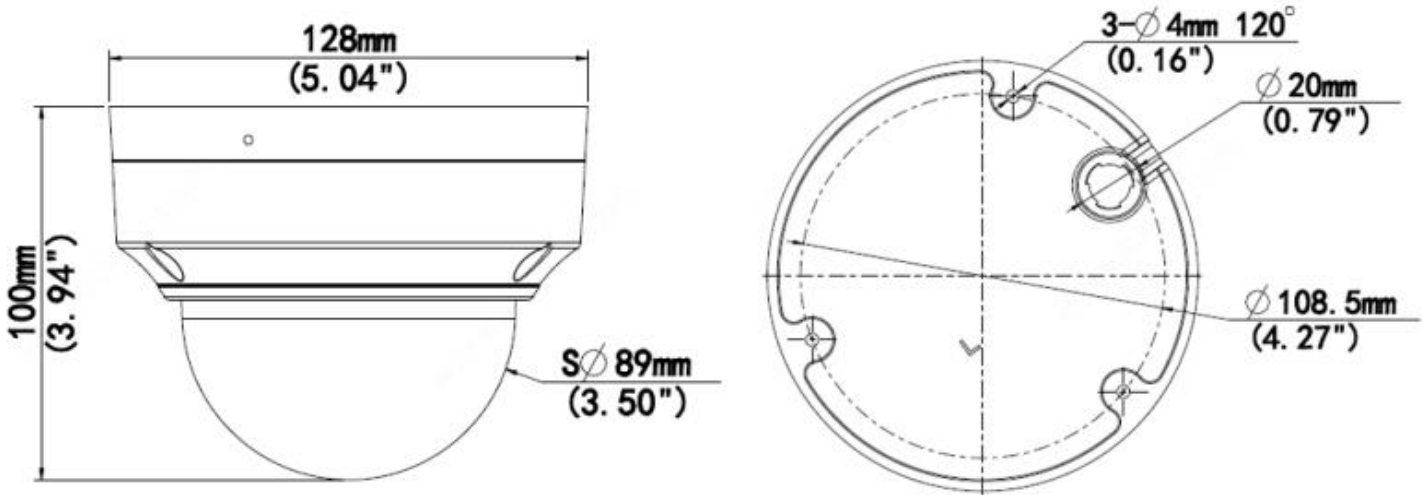
- | | |
|------------------------------------|--------------------------|
| 1. GV-TVD2712 IR Vandal Proof Dome | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Torx Wrench |
| 3. Screw Kit | 6. Download Guide |

Accessories

Model No.	Name	Details
GV-Mount107 (must be used with GV-Mount212P)	Pendant Bracket	Dimensions: Ø 120 x 334 mm (Ø 4.72" x 13.15") Weight: 0.74 kg (1.63 lb)
		
GV-Mount211P	Wall Mount and Junction Box	Dimensions: Ø 233 x 125 x 125 mm (Ø 9.2" x 4.9" x 4.9") Weight: 1 kg (2.2 lb)
		

GV-Mount212P	Wall Box Mount		Dimensions: \varnothing 126 x 36 mm (\varnothing 5.0" x 1.4") Weight: 0.22 kg (0.48 lb)
GV-Mount300-2 (must be used with GV-Mount211P)	Convex Corner Mount		Dimensions: 137 x 233 x 160 mm (5.4" x 9.17" x 6.3") Weight: 1.65 kg (3.64 lb)
GV-Mount310-2 (must be used with GV-Mount211P)	Concave Corner Mount		Dimensions: 111.2 x 369.9 x 210 mm (2.6" x 11.4" x 6.6") Weight: 1.65 kg (3.64 lb)
GV-Mount420 (must be used with GV-Mount211P)	Pole Mount Bracket		Dimensions: \varnothing 120 x 120 x 53.4 mm (\varnothing 4.7" x 4.7" x 2.1") Weight: 0.45 kg (0.99 lb) Steel Strap Diameter: \varnothing 67 ~ 127 mm (\varnothing 2.6" ~ 5")
GV-Mount704 (must be used with GV-Mount107)	Extension Tube		Dimensions: \varnothing 3.5 x 10 or 20 or 30 or 50 cm (\varnothing 1.38 x 3.9 or 7.9 or 11.8 or 19.7") Weight: 225g or 360g or 500g or 780g (0.5 lb or 0.79 lb or 1.1 lb or 1.72 lb)
GV-PA191	PoE Adapter		GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.
GV-PA301	Gigabit PoE Adapter		GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.
GV-POE Switch	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.		
Power Adapter	Contact our sales representatives for the countries and areas supported.		

Dimensions



Mounting Type

Straight Tube Mount		Wall Box Mount	Wall Mount and Junction Box	Pole Mount
GV-Mont107+ GV-Mount212P	GV-Mont107+ GV-Mount704+GV-Mount212P	GV-Mount212P	GV-Mount211P	GV-Mount211P+ GV-Mount420

Convex Corner Mount	Concave Corner Mount
GV-Mount211P+ GV-Mount300-2	GV-Mount211P+GV-Mount310-2