GV-TVD4700   4MP H.265 Super Low Lux WDR IR Vandal Proof IP Dome

- 1/3" progressive scan super low lux CMOS
- Min. illumination at 0.01 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 20 fps at 2592 x 1520
- Intelligent IR
- IR distance up to 30 m (100 ft)
- Day and Night function (with removable IR-cut filter)
- Vandal resistance (IK10 for metal casing)
- Ingress protection (IP67)
- 3-axis mechanism (pan / tilt / rotate)
- DC 12V / PoE (IEEE 802.3af)
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- Wide Dynamic Range
- Defog
- 3D noise reduction
- Motion detection
- Text overlay
- Privacy mask
- Tampering Alarm
- ONVIF (Profile G, S, T) conformant

Introduction

The Vandal Proof IP Dome is an outdoor camera designed with IK10 vandal resistance and IP67 ingress protection. GV-TVD4700 supports H.265 video codec to achieve better compression ratio while maintaining high quality pictures at reduced network bandwidths. The camera is equipped with an automatic IR-cut filter and IR LEDs for day and night surveillance. Adjustable in 3 axes (pan, tilt and rotate), it offers an entry-level surveillance solution with all the essential features and excellent image quality.
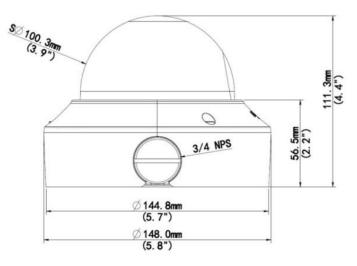
Active Tampering Alarm
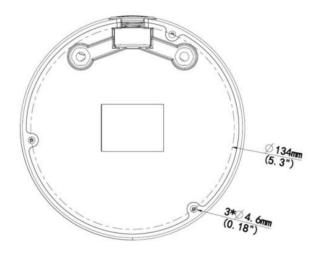
Tampered	Focus Change	Camera Shift

Dimensions

Specifications

Camera		
Image Sensor		1/3" progressive scan super low lux CMOS
Picture Elements		2592(H) x 1520 (V)
Minimum Illumination	Color	0.01 Lux (F1.6, AGC ON)
	IR On	0 Lux
Shutter Speed		Automatic, Manual (1/25 ~ 1/100000 sec)
White Balance		Automatic, Manual
Gain Control		Automatic, Manual
S/N Ratio		52 dB
WDR		Yes
Dynamic Range		Up to 72 dB
Lens		
Megapixel		4 MP
Day/Night		Yes (with removable IR-cut filter)
Focal Length		2.8 ~ 12 mm
Lens Type		Varifocal lens
Maximum Aperture		F/1.6
Mount		Ø14 mm
Horizontal FOV		97° ~ 29°
Operation	Focus	Manual (w/ lock)
	Zoom	Manual (w/ lock)
	Iris	Fixed
IR LED Quantity		2 IR LEDs
Max. IR Distance		30 m (100 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Triple streams
Frame Rate		20 fps at 2592 x 1520 (60 / 50 Hz) * The frame rate and the performance may vary depending on the number of connections and data bitrates (different scenes).
Video Analytics		Motion Detection, Tampering Alarm, Intrusion, Human Body Detection
Image Setting		Brightness, Contrast, Saturation, Sharpness, Flicker-less, 3D Noise Reduction, Image Orientation (Flip, Mirror, 0°, 180°), Exposure Mode, Shutter Speed, Gain Control, Slow Shutter, Backlight Compensation (BLC), Metering Control, D/N Sensitivity, WDR, Smart Illumination, White Balance, Defog

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Video Resolution		
Video Resolution	Main Stream	2592 x 1520 (Default), 2048 x 1520, 1920 x 1080
	Sub Stream	1920 x 1080, 1280 x 720, 720 x 576, 704 x 288, 640 x 360 (Default), 352 x 288
	Third Stream (Closed by Default)	720 x 576, 704 x 288, 640 x 360, 352 x 288
Network		
Interface		10/100 Ethernet
Ethernet Protocol		ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, TCP, UDP, UPnP, ONVIF (Profile G, S, T)
Mechanical		
Camera Angle Adjustment	Pan	0 ~ 360°
	Tilt	0 ~ 80°
	Rotate	0 ~ 360°
Connectors	Power	DC Jack (DC 12V, 1A), PoE (IEEE802.3af)
	Ethernet	RJ-45
	Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) * UHS-II card type is not supported.
General		
Environment Temperature		-40 ~ 60°C (-40 ~ 140°F)
Humidity		0 ~ 95% (no condensation)
Power Source		12 V DC / PoE (IEEE 802.3af)
Max. Power Consumption		7 W
Dimension		Ø148 x 111.3 mm (Ø5.8 x 4.4")
Weight		0.92 kg (2 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 for metal casing
Regulatory		CE, FCC, RoHS compliant
Web Interface		
Installation Management		Web-based configuration
Maintenance		Firmware upgrade through Web Browser or Utility
Access from Web Browser		Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Text Overlay, Image Masking
Language		Czech, English, French, German, Italian, Russian, Traditional Chinese
Applications		
Network Storage		GV-VMS (V17.3.0 / V18.1.1), GV-DVR / NVR (V8.8), GV-Control Center (V3.7.0), GV-Recording Server / Video Gateway (V1.4.2), GV-Edge Recording Manager Win version (V1.4.0), GV-Redundant / Failover Server (V1.1.0.0) *It is required to apply patch files to all the supported software.
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		Browser (IE, Edge, Chrome, Safari, Firefox), Mobile App

Note:

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

Packing List

1. IR Vandal Proof Dome
2. Waterproof Rubber Set
3. Screw Kit
4. Drill Template Paster
5. Torx Wrench
6. Download Guide
7. Warranty Card

Note: Power adapters can be purchased upon request.

Accessories

Model No.	Name		Details
GV-Mount107 (must be used with GV-Mount212-2)	Pendant Bracket		Dimensions: Ø 120 x 334 mm (Ø 4.72" x 13.15") Weight: 0.74 kg (1.63 lb)
GV-Mount211-2	Wall Mount and Junction Box		Dimensions: Ø 253 x 125 x 125 mm (Ø 10 x 4.9 x 4.9") Weight: 0.92 kg (2.02 lb)
GV-Mount212-2	Wall Box Mount		Dimensions: Ø 145 x 40 mm (Ø 5.7 x 1.6") Weight: 0.24 kg (0.5 lb)
GV-Mount300-2	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	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-Mount211-2)	Pole Mount Bracket		Dimensions: Ø 120 x 120 x 53.4 mm (Ø 4.7 x 4.7 x 2.1") Steel Strap Diameter: Ø 67 ~ 127 mm (Ø 2.6" ~ 5") Weight: 0.45 kg (0.99 lb)
GV-Mount606	In-Ceiling Mount		Dimensions: Ø 235 x 63 mm (Ø 9.3" x 2.5") In-ceiling hole: Ø 195 mm (Ø 7.67") Weight: 0.49 kg (1.1 lb)
GV-Mount704 (must be used with GV-Mount107)	Extension Tube		Dimensions: Ø 3.5 x 10 or 20 or 30 or 50 cm (Ø 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-Mount921 (for standard US single and double gang boxes only)	Power Box Mount Bracket		Dimensions: Ø 145 x 13 mm (Ø 5.7" x 0.5") Weight: 0.13 kg (0.29 lb)
GV-PA191	Power over Ethernet (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-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.	