

GV-TVD4711 4MP H.265 4.3x Zoom Super Low Lux WDR Pro IR Vandal Proof IP

Dome



- 1/3" progressive scan super low lux CMOS
- Min. illumination at 0.003 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2688 x 1520
- Motorized varifocal lens for remote focus / zoom adjustment
- 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 (IP66)
- 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
- Two-way audio
- Wide Dynamic Range Pro (WDR Pro)
- Defog
- 3D noise reduction
- Motion detection
- Text overlay
- Privacy mask
- Tampering Alarm
- 12 languages supported
- ONVIF (Profile G, S, T) conformant

Introduction

The Vandal Proof IP Dome is an outdoor camera designed with IK10 vandal resistance and IP66 ingress protection. GV-TVD4711 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



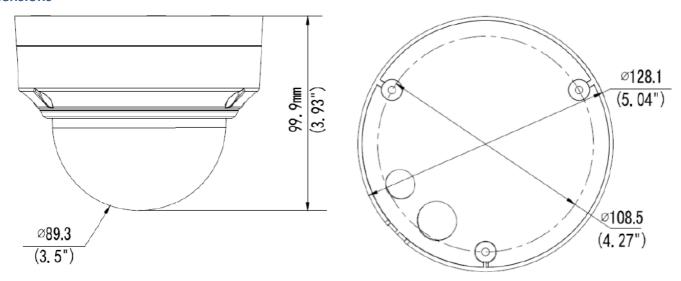
Camera Shift



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Dimensions



Specifications

data bitrates (different scenes).				
Picture Elements	Camera			
Minimum Illumination IR On O Lux	Image Sensor		1/3" progressive scan super low lux CMOS	
Illumination			2688(H) x 1520 (V)	
Shutter Speed Automatic, Manual (1/6 ~ 1/100000 sec) White Balance Automatic, Manual Gain Control Automatic, Manual S/N Ratio 56 dB WDR Pro Yes Dynamic Range Up to 120 dB Lens Megapixel 4 MP Day/Night Yes (with removable IR-cut filter) Focal Length 2.8 ~ 12 mm Lens Type Motorized varifocal lens Maximum Aperture F/1.6 Mount 914 mm Horizontal FOV 98 ~ 31° Focus Automatic / Manual Operation Focus Automatic / Manual Zoom 4.3x Optical Zoom Iris Fixed IR LED Quantity Aux. IR Distance 30 m (100 ft) Operation Video Compression Video Streaming Triple streams Wain Stream Sub Stream Sub Stream Sub Stream Sub Stream Sub Stream Third Stream Sub Stream Sub Stream Third Stream Sub Stream Sub Stream Sub Stream Sub Stream Third Stream Sub Stream Third Stream Sub Stream Sub Stream Sub Stream Sub Stream Sub Stream Third Stream Sub Stream		Color	0.003 Lux (F1.6, AGC ON)	
White Balance Gain Control S/N Ratio S6 dB WDR Pro Yes Dynamic Range Up to 120 dB Lens Megapixel Day/Night Yes (with removable IR-cut filter) Focal Length Lens Type Motorized varifocal lens Maximum Aperture F/1.6 Mount Horizontal FOV Poeration Iris Fixed IR LED Quantity Max. IR Distance Operation Video Compression Video Resolution Video Resolution Frame Rate Automatic, Manual Automatic, Manual Automatic Manual		IR On	0 Lux	
Automatic, Manual S/N Ratio S6 dB	Shutter Speed		Automatic, Manual (1/6 ~ 1/100000 sec)	
S/N Ratio 56 dB WDR Pro Yes Dynamic Range Up to 120 dB Lens Wegapixel Megapixel 4 MP Day/Night Yes (with removable IR-cut filter) Focal Length 2.8 ~ 12 mm Lens Type Motorized varifocal lens Maximum Aperture F/1.6 Mount Ø14 mm Horizontal FOV 98~ 31° Operation Zoom 4.3x Optical Zoom Iris Fixed IR LED Quantity 2 IR LEDS Max. IR Distance 30 m (100 ft) Operation Video Compression Video Streaming Triple streams Video Resolution Third Stream Video Resolution 288 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080 Sub Stream 1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288 Frame Rate 30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x 1296 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).	·		Automatic, Manual	
Volume	Gain Control		·	
Dynamic Range Lens Megapixel	S/N Ratio		56 dB	
Megapixel	WDR Pro		Yes	
Megapixel 4 MP Day/Night Yes (with removable IR-cut filter) Focal Length 2.8 ~ 12 mm Lens Type Motorized varifocal lens Maximum Aperture F/1.6 Mount Ø14 mm Horizontal FOV 98~ 31° Operation Automatic / Manual Zoom 4.3x Optical Zoom 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 Main Stream 2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080 Sub Stream 1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288 Video Resolution Third Stream (Closed by Default) 640 x 360, 352 x 288 Frame Rate 30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).	Dynamic Range		Up to 120 dB	
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Focus Automatic / Manual Zoom 4.3x Optical Zoom	Mount		Ø14 mm	
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Iris		Focus	Automatic / Manual	
R LED Quantity	Operation	Zoom	4.3x Optical Zoom	
Max. IR Distance 30 m (100 ft) Operation Video Compression H.265, H.264, MJPEG Video Streaming Triple streams Main Stream 2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080 Sub Stream 1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288 Third Stream (Closed by Default) 640 x 360, 352 x 288 Frame Rate 30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).		Iris	Fixed	
OperationVideo CompressionH.265, H.264, MJPEGVideo StreamingTriple streamsMain Stream2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080Sub Stream1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288Third Stream (Closed by Default)640 x 360, 352 x 288Frame Rate30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz)* The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).	IR LED Quantity		2 IR LEDs	
Video CompressionH.265, H.264, MJPEGVideo StreamingTriple streamsMain Stream2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080Sub Stream1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288Third Stream (Closed by Default)640 x 360, 352 x 288Frame Rate30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).	Max. IR Distance		30 m (100 ft)	
Video StreamingTriple streamsVideo ResolutionMain Stream2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080Sub Stream1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288Third Stream (Closed by Default)640 x 360, 352 x 288Frame Rate30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz)* The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).	Operation			
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Video Resolution Sub Stream Third Stream (Closed by Default) Sub Strea	Video Streaming			
Video Resolution Third Stream (Closed by Default) 640 x 360, 352 x 288 30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).		Main Stream	2688 x 1520, 2560 x 1440 (Default), 2304 x 1296, 1920 x 1080	
(Closed by Default) 640 x 360, 352 x 288 30 fps at 2688 x 1520, 30 fps at 2560 x 1440, 30 fps at 2304 x1296 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).	Video Resolution	Sub Stream	1280 x 720, 704 x 576, 704 x 288, 640 x 480, 640 x 360 (Default), 352 x 288	
* The frame rate and performance may vary depending on the number of connections an data bitrates (different scenes).		(Closed by	640 x 360, 352 x 288	
Video Analytics Motion Detection Tampering Alarm Intrusion Human Rody Detection	Frame Rate		* The frame rate and performance may vary depending on the number of connections and	
Motion Detection, Tampering Addition, Human Dody Detection	Video Analytics		Motion Detection, Tampering Alarm, Intrusion, Human Body Detection	

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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		
Audio Compression		G.711		
Audio Support		Two-way Audio (external microphone and speaker required)		
D:-:t-11/0	Input	1 Input, dry contact, NO / NC		
Digital I/O	Output	1 Relay Output (1A 30V DC / 0.3A 125V AC)		
Network				
Interface		10/100 Ethernet		
Protocol		ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T)		
Mechanical				
Camora Anglo	Pan	0 ~ 360°		
Camera Angle Adjustment	Tilt	0 ~ 120°		
Adjustment	Rotate	0~360°		
	Power	2-pin terminal block (DC 12 V, 1.25 A), PoE		
	Ethernet	RJ-45		
Connectors	Audio	4-pin terminal block pitch 2.5 mm (0.1") (Audio In & Audio Out)		
Connectors	Digital I/O	4-pin terminal block pitch 2.5 mm (0.1")		
	Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) * UHS-II card type is not supported.		
General				
Operating Temperature		-35 ~ 60°C (-31 ~ 140°F)		
Humidity		0 ~ 95% (no condensation)		
Power Source		12 V DC / PoE (IEEE802.3af)		
Max. Power Consu	umption	9.5 W		
Dimensions		Ø125.8 x 99.9 mm (Ø4.9" x 3.93")		
Weight		0.57 kg (1.26 lb)		
Ingress Protection		IP66		
Vandal Resistance	!	IK10 for metal casing		
Regulatory		FCC, CE, RoHS compliant		
Web Interface				
Installation Manag	gement	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, Hungarian, Italian, Japanese, Polish, Portuguese, Russian Spanish, Traditional Chinese		
Applications				
Software Supported		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 Acce	ess	GV-Eye for iOS and Android		
Live Viewing		Internet Explorer, Non-IE browser (Chrome, Edge, Firefox, Safari), Mobile App *The non-IE browsers only support displaying live view with H.264.		

Note:

- 1. 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

- IR Vandal Proof Dome
 Spare Waterproof Rubber Set
 Cable Protection Connector
- 3. Screw Kit
- Drill Template Paster

- 7. Torx Wrench
- 8. Download Guide

Warranty Card

March 29, 2021

GV-TVD4711



Accessories

Model No.	Name	Details	
GV-Mount107 Pendant Bracket (must be used with GV-Mount212P)			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 x126 x 126 mm (Ø 9.2 x 5 x 5") Weight: 1 kg (2.2 lb)
GV-Mount212P	Wall Box Mount		Dimensions: Ø 126 x 36 mm (Ø 5.0 x 1.4") Weight: 0.22 kg (0.48 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-Mount211P)	Pole Mount Bracket	3 .0	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	0)9	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	.11	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-PA191	Power over Ethernet (PoE) Adapter	O C Gratinos Campo Control Con	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

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