

GV-AVD2700 2MP H.265 Low Lux WDR Pro IR Vandal Proof IP Dome



- 1/2.9" progressive scan low lux CMOS
- Min. illumination at 0.01 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 1920 x 1080
- Intelligent IR
- IR distance up to 30 m (98.4 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)
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- Two-way audio
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- Defog
- 3D noise reduction
- Motion detection
- Tampering Alarm
- Text overlay
- Privacy mask
- ONVIF (Profile S) conformant

Introduction

The Vandal Proof IP Dome is an outdoor camera designed with IK10 vandal resistance and IP67 ingress protection. GV-AVD2700 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. With Wide Dynamic Pro (WDR Pro), it can process scenes with contrasting intensities of light and produce clear image. Adjustable in 3 axis (pan, tilt and rotate), it offers an entry-level surveillance solution with all the essential features and excellent image quality.

Active Tampering Alarm

Tampered



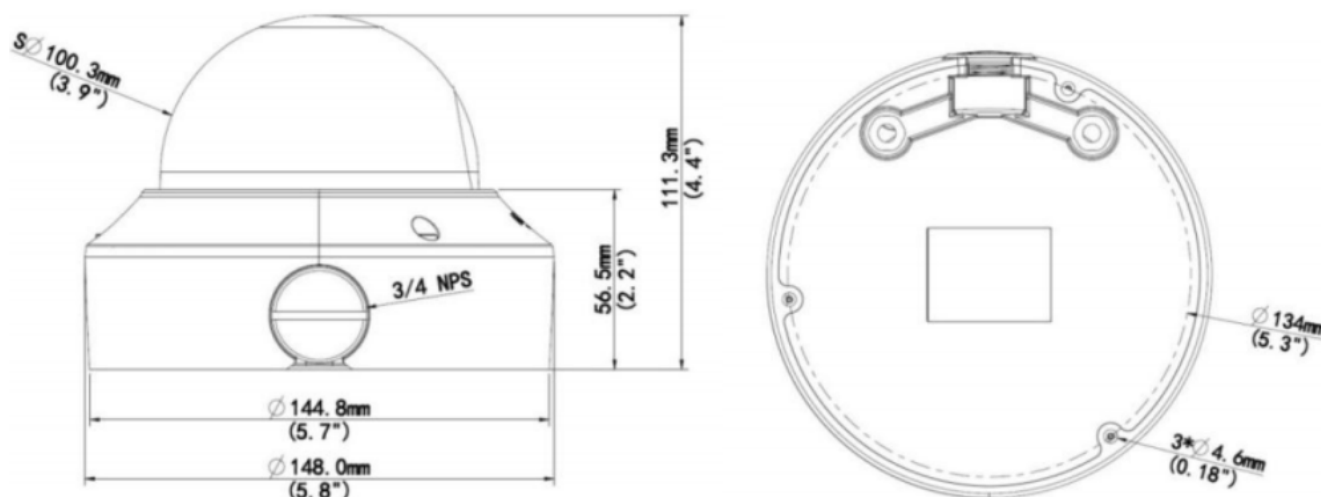
Focus Change



Camera Shift



Dimensions



Specifications

Camera		
Image Sensor		1/2.9" progressive scan low lux CMOS
Picture Elements		1920 (H) x 1080 (V)
Minimum Illumination	Color	0.01 Lux
	IR On	0 Lux
Shutter Speed		Auto, Manual (1/6 ~ 1/100000 sec)
White Balance		Auto, Manual
Gain Control		Auto, Manual
S/N Ratio		52 dB
WDR Pro		Yes
Dynamic Range		Up to 120 dB
Lens		
Megapixel		2 MP
Day/Night		Yes (with removable IR-cut filter)
Focal Length		2.8 ~ 12 mm
Lens Type		Varifocal lens
Maximum Aperture		F/1.4
Mount		$\phi 14\text{ mm}$
Horizontal FOV		108°~30°
Operation	Focus	Manual (with lock)
	Zoom	Manual (with lock)
	Iris	Fixed
IR LED Quantity		2 IR LEDs
Max. IR Distance		30 m (98.4 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Triple streams
Video Resolution	Main Stream	1920 x 1080 (Default)
	Sub Stream	1280 x 720, 720 x 576 (Default), 704 x 288, 352 x 288
	Third Stream (Closed by Default)	720 x 576, 704 x 288, 352 x 288
Frame Rate		30 fps at 1920 x 1080 (60 / 50 Hz) * 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, 3D Noise reduction, Image Orientation, Exposure Mode, Shutter Speed, Gain Control, Slow Shutter, Backlight Compensation (BLC), Metering Control, D/N Sensitivity, WDR, Smart Illumination, White Balance, Defog
Video Analytics		Motion Detection, Tampering Alarm
Audio Compression		G.711
Audio Support		Two-way Audio (external microphone and speaker required)
Digital I/O	Input	1 Input, dry contact, NO / NC
	Output	1 Relay Output (1A 30V DC / 0.3A 125V AC)
Network		
Interface		10/100 Ethernet
Ethernet Protocol		ARP, DHCP, DNS, DDNS, DynDNS, FTP, HTTP, HTTPS, IPv4, ICMP, IGMP, L2TP, NTP, PPPoE, RTP, RTCP, RTSP, SMTP, SIP, TCP/IP, UDP, UPnP, 802.1x, ONVIF (Profile S)
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
	Audio	1 in (Audio In Wire); 1 out (Audio Out Wire) *The Audio In port only supports microphones with power supply.
	Digital I/O	4-pin terminal block pitch 3.5 mm (0.14")
	Local Storage	Micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) * UHS-II card types are not supported.
	TV-Out	BNC connector
General		
Environment Temperature		-40°C ~ 60°C (-22°F ~ 140°F)
Humidity		0% to 95% (no condensation)
Power Source		12V DC / PoE (IEEE 802.3af)
Max. Power Consumption		7.2 W
Dimension		Ø148 x 111.3 mm (Ø5.8" x 4.4")
Weight		0.75 kg (1.7 lb)
Ingress Protection		IP67
Vandal Resistance		IK10 (for metal casing)
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, Tampering Alarm, Text Overlay, Image Masking
Language		Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish
Applications		
Network Storage		GV-DVR / NVR (V8.7.4.0), GV-VMS (V17.1), GV-Control Center (V3.5.0.0), GV-Edge Recording Manager (V1.3.0.0), GV-Recording Server / Video Gateway (V1.4.0.0), GV-Redundant / Failover Server (V1.1.0.0)
Smart Device Access		GV-Eye for iOS and Android
Live Viewing		Browser (IE, Firefox, Safari), Mobile App

Note:





1. It is required to apply patch files to all the supported software.
2. Do not use clothes or any ordinary material to clean the camera cover since they may result in scratches.
3. Specifications are subject to change without notice.

Packing List

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

Note: Power adapters can be purchased upon request.

Accessories

Model No.	Name		Details
GV-Mount211-2	Wall Mount Bracket		Dimensions: 253 x 125 x 125 mm (10" x 4.9" x 4.9") Weight: 0.92 kg (2.02 lb)
GV-Mount212-2	Wall Mount Bracket		Dimensions: Ø145 x 40 mm (5.7" x 1.6") Weight: 0.24 kg (0.5lb)
GV-Mount420 (must be used with GV-Mount211-2)	Pole Mount Bracket		Dimensions: Ø 120 x 120 x 53.4 mm (4.7" x 4.7" x 2.1") Weight: 0.45 kg (0.99 lb)
GV-PA191	Power over Ethernet (PoE) Adapter		The 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		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.	
Power Adapter		Contact our sales representatives for the countries and areas supported.	