GV-TVD4811 AI 4MP H.265 5x Zoom Super Low Lux WDR Pro IR Vandal Proof IP Dome

- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- 1/2.7" progressive scan CMOS
- Min. illumination at 0.002 lux
- Triple streams from H.265, H.264 and MJPEG
- Up to 30 fps at 2688 x 1520
- Motorized 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 capable
- Built-in microphone
- Pigtail-free
- 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, M) conformant

Introduction

GV-TVD4811 is an outdoor camera designed with IK10 vandal resistance and IP66 ingress protection. GV-TVD4811 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 axis (pan, tilt and rotate), it offers an entry-level surveillance solution with all the essential features and excellent image quality.

Empowered by deep learning algorithms, AI technology distinguishes human and vehicles from other moving objects. Integrated with GeoVision Video Management Software (VMS), it supports AI perimeter protection, real time alert, events playback and more.
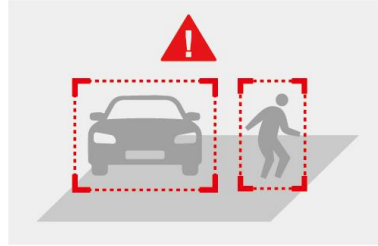
Deep Learning Function
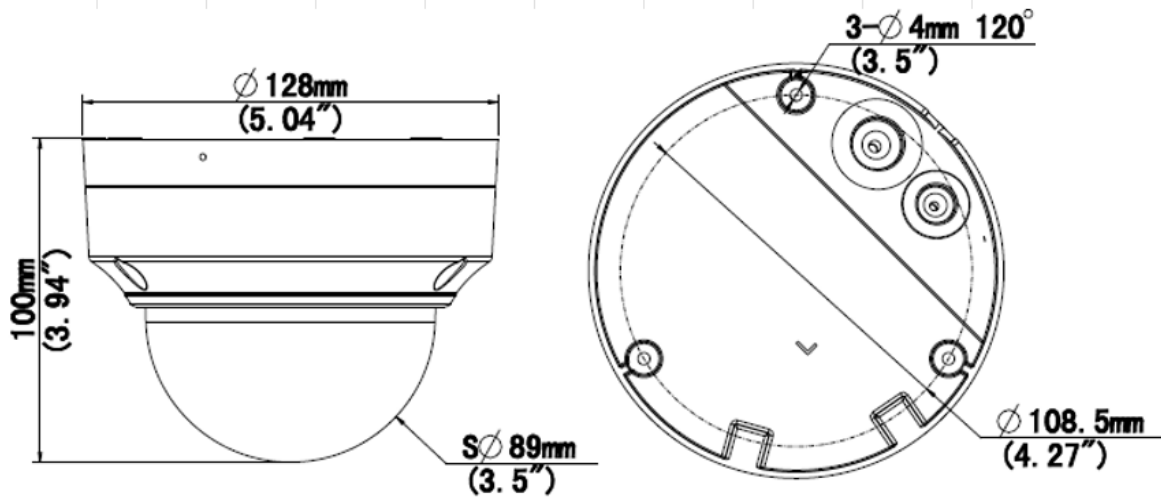
| **Face Detection** | **AI Perimeter Protection**
(Intrusion, Crossing Line
Entering Area, Leaving Area) | **People Counting** |

Dimensions

Specifications

Camera		
Image Sensor		1/2.7" progressive scan CMOS
Picture Elements		2688 (H) x 1520 (V)
Minimum Illumination	Color	0.00 2Lux (F1.2, AGC ON)
	IR On	0 Lux
Shutter Speed		Automatic, Manual (1 ~ 1/100000 sec)
White Balance		Automatic, Manual
Gain Control		Automatic, Manual
S/N Ratio		56 dB
WDR Pro		Yes
Dynamic Range		120 dB
Lens		
Megapixel		4 MP
Day/Night		Yes (with removable IR-cut filter)
Focal Length		2.7 ~ 13.5 mm
Lens Type		Motorized varifocal lens
Maximum Aperture		F/1.2
Mount		Ø14 mm
Horizontal FOV		103.58° ~ 31.05°
Operation	Focus	Automatic / Manual
	Zoom	5x Optical Zoom
	Iris	Fixed
IR LED Quantity		2 IR LEDs
Max. IR Distance		30 m (100 ft)

DORI			Detect	Observe	Recognize	Identify
Lens		2.7 mm	60.8 m (199.5 ft)	24.3 m (79.7 ft)	12.2 m (40 ft)	6.1 m (20 ft)
		13.5 mm	303.8 m (996.7 ft)	121.5 m (398.6 ft)	60.8 m (199.5 ft)	30.4 m (99.7 ft)

Operation

Video Compression		H.265, H.264, MJPEG
Video Streaming		Triple streams
Video Resolution	Main Stream	2688 x 1520 (Default), 2560 x 1440, 2304 x 1296, 1920 x 1080, 1280 x 720
	Sub Stream	1280 x 720, 720 x 576, 640 x 480, 640 x 360 (Default)
	Third Stream (Closed by Default)	720 x 576, 704 x 288, 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, 30 fps at 1920x 1080 (60 / 50 Hz) * The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes).
Video Analytics		Motion Detection, Tampering Alarm, Audio Detection *Tampering alarm and 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, Contrast, Saturation, Sharpness, Flicker-less, 3D Noise Reduction, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format).
Audio Compression		G.711
Audio Support		Two-way Audio (external 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
Protocol	802.1x, ARP, DHCP, DDNS, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T, M)

Deep Learning Function

AI Analytics	- Intrusion, Cross Line, Enter Area, Leave Area: Human & Vehicle classification - People Flow Counting, Crowd Density Monitoring, Face Detection

Mechanical

Camera Angle Adjustment	Pan	0° ~ 356°
	Tilt	0° ~ 70°
	Rotate	0° ~ 356°
Connectors	Power	2-pin terminal block (DC 12 V, 1.25 A), PoE
	Ethernet	RJ-45
	Audio	1 built-in microphone 1 In and 1 Out (4-pin terminal block pitch 2.5 mm (0.1"))
	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.

Face Detection

Environment		100 lux
Detectable face angle	≤ 10°	≤ 10°
	≤ 30°	≤ 30°
Max. number of faces		Up to 40
Min. face image pixel requirement		80 pixels

General

Operating Temperature	-30°~ 55°C (-22° ~ 131°F)
Humidity	0 ~ 95% (no condensation)
Power Source	12 V DC / PoE (IEEE802.3af)
Max. Power Consumption	6.5 W
Dimensions	Ø 128 x 100 mm (Ø 5.04" x 3.94")
Weight	0.59 kg (1.31 lb)
Ingress Protection	IP66
Vandal Resistance	IK10 for metal casing
Certification	CE, FCC, LVD, RoHS, UL 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, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese

Software Applications

Software Supported	GV-VMS (V17.4.6 / V18.3.2 or later), GV-Control Center (V4.1.1 or later), GV-Edge Recording Manager Windows Version (V2.2.7 or later), GV-Recording Server / Video Gateway (V2.1.0 or later),
Smart Device Access	GV-Eye for iOS and Android (V3.1.0 or later)
Live Viewing	Bowser (IE, Edge, Chrome, Firefox, Safari), 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. GV-TVD4811 Dome
2. 2-Pin Power Terminal Block
3. Screw Kit
4. Drill Template Paster
5. Torx Wrench
6. Download Guide
7. Cable Protection Connector
8. Spare Waterproof Rubber Set

Accessories

Model No.	Name		Details
GV-Mount107 (must be used with GV-Mount 212-P)	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 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		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-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-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.