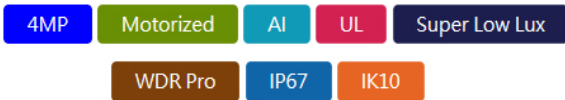# GV-TBL4810   AI 4MP H.265 5x Zoom Super Low Lux WDR Pro IR Bullet IP Camera

- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- 1/3" progressive scan super low lux CMOS sensor
- Min. illumination at 0.002 lux
- Triple streams from H.265, H.264 or MJPEG
- Wide Dynamic Range Pro (WDR Pro)
- Up to 30 fps at 2688 x 1520
- Motorized lens for remote focus / zoom adjustment
- Intelligent IR
- IR distance up to 50 m (165 ft)
- Day and night function (with removable IR-cut filter)
- Vandal Resistance (IK10 for metal casing)
- Ingress protection (IP67)
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- Two-way audio capable
- DC 12V / PoE (IEEE 802.3af)
- ONVIF (Profile G, S, T, M) conformant

4MP **Motorized** **AI** **UL** **Super Low Lux**
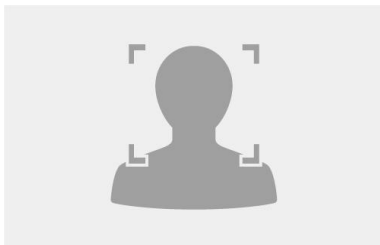**WDR Pro** **IP67** **IK10**

Introduction

GV-TBL4810 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 IK10 and IP67 standards, and can be powered through PoE.

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, event playback and more.
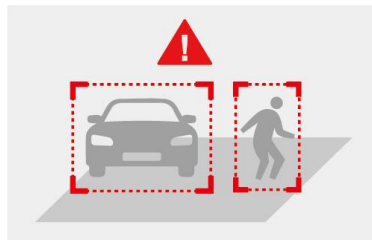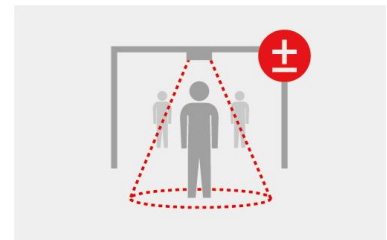
Deep Learning Function

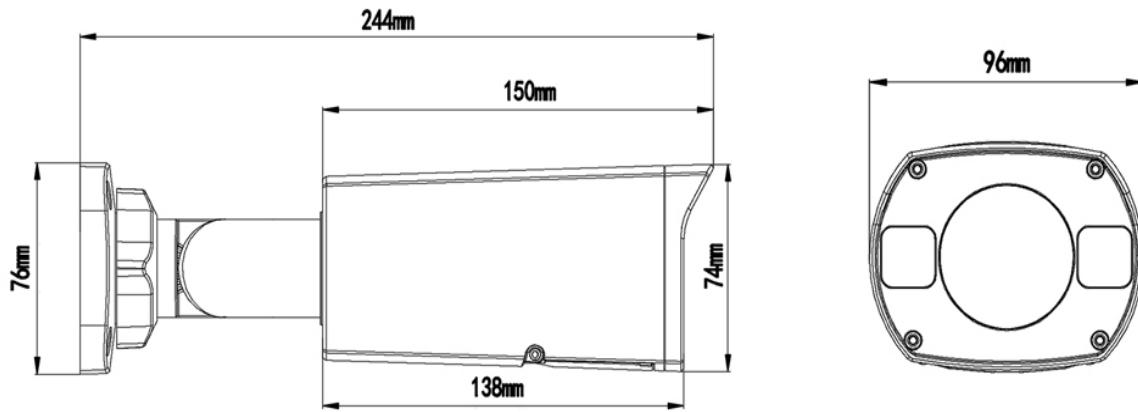**Face Detection**

AI Perimeter Protection
(Intrusion, Crossing Line
Entering Area, Leaving Area)

People Flow Counting

Dimensions

Specifications

Camera		
Image Sensor		1/3" progressive scan super low lux CMOS
Picture Elements		2688 (H) x 1520 (V)
Minimum Illumination	Color	0.002 Lux (F1.2, AGC ON)
	IR On	0 Lux
Shutter Speed		Auto / 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)
Lens Type		Motorized varifocal lens
Focal Length		2.7 ~ 13.5mm
Maximum Aperture		F/1.2
Mount		Ø14 mm
Horizontal FOV		98°~31°
Operation	Focus	Auto / Manual
	Zoom	5x Optical Zoom
	Iris	Fixed
IR LED Quantity		3 IR LEDs
Max. IR Distance		50 m (165 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
Frame Rate		30 fps at 2688 x 1520 / 2560 x 1440 / 2304 x1296 (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 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)

Face Detection		
Environment		100 lux
Detectable face angle	Tilt (Up/Down)	≤ 10°
	Swing (Left/Right	≤ 30°
Max. number of faces		Up to 40
Min. face image pixel requirement		80 pixels

Deep Learning Function	
AI Analytics	- Intrusion, Crossing Line, Entering Area, Face Detection, Leaving Area: Human & Vehicle classification - People Flow Counting, Crow Density Monitoring

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 360 (Default), 640 x 480
Third Stream (Closed by Default)	720 x 576, 704 x 288, 640 x 360,352 x 288

Network	
Interface	10/100 Ethernet
Protocol	802.1x, ARP, DHCP, DDNS, DNS, DynDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP, ONVIF (Profile G, S, T, M)

Mechanical		
Camera Angle Adjustment	Pan	0 ~ 360°
	Tilt	0 ~ 90°
	Rotate	0 ~ 360°
Connectors	Power	DC Jack, PoE
	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 type is not supported.

General	
Operating Temperature	-30 ~ 60°C (-22 ~ 140°F)
Humidity	0 ~ 95% (no condensation)
Power Source	12 V DC / PoE (IEEE802.3af)
Max. Power Consumption	8.5W
Dimensions	244 × 96 ×74 mm (9.6" × 3.8" × 2.9")
Weight	1.0 kg (2.2 lb)
Ingress Protection	IP67
Vandal Resistance	IK10 for metal casing
Certification	CE, FCC, RoHS, UL compliant

Certification	
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

Applications	
Software Supported	GV-VMS (V17.4.2 / V18.2.1), GV-DVR / NVR (V8.9.1), GV-Control Center (V3.8.0), GV-Recording Server / Video Gateway (V2.0.0), GV-Edge Recording Manager Win version (V2.0.0), GV-Redundant / Failover Server (V1.2.0), GV-Mobile Server (V1.5.1)
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	Browser (IE, Edge, Chrome, Firefox, Safari), Mobile App

Note:

1. Patch files are required for some 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. GV-TBL4810 Bullet
2. Waterproof Rubber Set
3. Screw Kit
4. Drill Template Paster
5. Download Guide

Accessories

Model No.	Name	Details
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-Mount503)	Pole Mount Bracket	Dimensions: Ø 120 x 120 x 53.4 mm (Ø 4.7" x 4.7" x 2.1") Weight: 0.45 kg (0.99 lb) Steel Strap Diameter: Ø 67 ~ 127 mm (Ø 2.6" ~ 5")
GV-Mount503	Wall Mount Bracket	Dimensions: 125 x 125 x 55 mm (4.9" x 4.9" x 2.2") Weight: 0.74 kg (1.63 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.