GV-TBL8804 AI 8MP H.265 Super Low Lux WDR Pro IR Bullet IP Camera

- AI deep learning: AI Perimeter Protection & Classification (Human, Vehicle)
- 1/2.7" progressive scan super low lux CMOS sensor
- Triple streams from H.265, H.264 or MJPEG
- Wide Dynamic Range Pro (WDR Pro)
- Min. illumination at 0.01 lux
- Up to 20 fps at 3480 x 2160
- Intelligent IR
- Day and night function (with removable IR-cut filter)
- Alarm sound and white LED light triggered on AI detection events
- IR distance up to 30 m (100 ft)
- Ingress protection (IP67)
- 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)
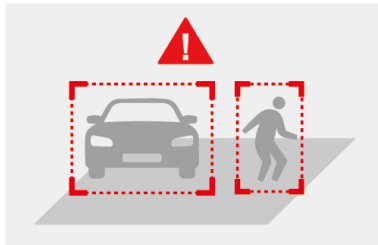- ONVIF (Profile S, G, T) conformant

Introduction

The Bullet IP Camera is an outdoor, network camera equipped with an automatic IR-cut filter, IR LED, and two white 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. GV-TBL8804 adheres to 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, events playback and more.

Deep Learning Function

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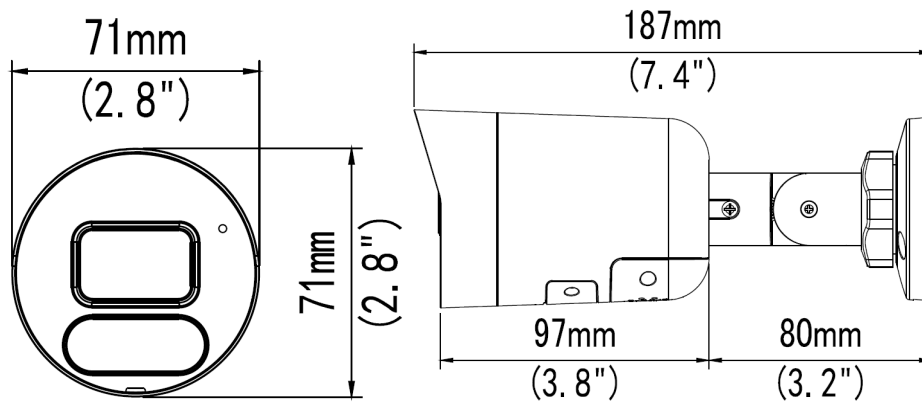(Intrusion, Crossing Line
Entering Area, Leaving Area)

AI Event Search
(VMS V18.3 or later)

Note: The integration of AI events of the camera to GV-VMS is coming soon.

Dimensions

71mm
(2. 8")

71mm
(2. 8")

187mm
(7. 4")

97mm
(3. 8")

80mm
(3. 2")

Specifications

Camera		
Image Sensor		1/2.7" progressive scan super low lux CMOS
Picture Elements		3840 (H) x 2160 (V)
Minimum Illumination	Color	0.01 Lux (F2.0, AGC ON)
	IR ON	0 Lux
Shutter Speed		Auto / Manual (1 ~ 1/100000 sec)
White Balance		Auto / Manual
Gain Control		Auto / Manual
S/N Ratio		56 dB
WDR Pro		Yes
Dynamic Range		Up to 120 dB
Lens		
Megapixel		8 MP
Day / Night		Yes (with removable IR-cut filter)
Lens Type		Fixed
Focal Length		4 mm
Maximum Aperture		F/2.0
Mount		M12
Horizontal FOV		86°
Operation	Focus	Fixed
	Zoom	
	Iris	
IR LED Quantity		1 IR LED
Max. IR Distance		30 m (100 ft)
White LED Quantity		2 White LEDs
Max. White Light Distance		20 m (65 ft)
Operation		
Video Compression		H.265, H.264, MJPEG
Video Streaming		Triple streams from H.265, H.264 or MJPEG
Video Resolution	Main Stream	3840 x 2160 (Default), 2944 x 1656, 2560 x 1440, 1920 x 1080
	Sub Stream	1280 x 720, 704 x 576, 704 x 288, 640 x 360 (Default), 352 x 288
	Third Stream (Closed by Default)	704 x 576, 704 x 288, 640 x 360, 352 x 288
Frame Rate		20 fps at 3840 x2160, 25 fps at 2944 x 1656 / 2560 x 1440, 30 fps at 1920 x 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, 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, Image Orientation (Flip, Mirror, 0°, 90°, 180°, 270°-including Corridor format)
Audio Compression	G.711
Audio Support	Two-way Audio (built-in microphone and speaker)

Deep Learning Function

AI Perimeter Protection	Intrusion, Crossing Line, Entering Area, Leaving Area (Human & Vehicle classification)

Network

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

Mechanical

Temperature Detector		No
Camera Angle Adjustment	Pan	0° ~ 360°
	Tilt	0° ~ 90°
	Rotate	0° ~ 360°
Connectors	Power	DC Jack (DC 12 V, 1.25 A), PoE
	Ethernet	RJ-45 connector
	Audio	Two-way (built-in microphone and speaker)
	Local Storage	Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10) *UHS-II card types are not supported.

General

Operating Temperature	-30°C ~ 60°C (-22°F ~ 140°F)
Humidity	0 ~ 95% (no condensation)
Power Source	12 V DC / PoE (IEEE802.3af)
Max. Power Consumption	10.5 W
Dimensions	187 × 71 × 71 mm (7.4" × 2.8" × 2.8")
Weight	0.41 kg (0.99 lb)
Ingress Protection	IP67
Regulatory	FCC, CE, RoHS compliant

Web Interface

Installation Management	Web-based configuration
Maintenance	Firmware upgrade through Web Browser or GV-IP Device Utility
Access from Web Browser	Live View, Video Recording, Change Video Quality, Bandwidth Control, Image Snapshot, Defog, Text Overlay, Image Masking
Language	Czech, English, French, German, Italian, Russian, Traditional Chinese

Software Application

Software Supported	GV-VMS (V17.4.1 / 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)
Smart Device Access	GV-Eye for iOS and Android
Live Viewing	Browser (IE, Edge, Chrome), Mobile App

Note:

1. The patch files are required for some of 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. GV-TBL8804 IR Bullet IP Camera
2. Waterproof Rubber Set
3. Screw Kit
4. Drill Template Paster
5. Download Guide
6. Warranty Card

Accessories

Model No.	Name		Details
GV-Mount504	Wall Mount Bracket		Dimensions: Ø 104.4 x 54.5 mm (Ø 4.11" x 2.15") Weight: 0.36 kg (0.79 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. 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.	