

## **GV-TBL4807 AI 4MP H.265 Super Low Lux WDR Pro IR Fixed Bullet IP Camera**



- 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 or MJPEG
- Up to 30 fps at 2688 x 1520
- Intelligent IR
- IR distance up to 80 m (260 ft)
- Day and Night function (with removable IR-cut filter)
- Ingress protection (IP67)
- DC 12V / PoE (IEEE 802.3af)
- Built-in microSD card slot (SD / SDHC / SDXC / UHS-I, Class 10) for local storage
- Built-in microphone
- Wide Dynamic Range Pro (WDR Pro)
- AI analytics (Intrusion, Line Crossing, Region Entrance, Region Exiting, Face Detection, People Counting, Crowd Density Monitoring)
- 3D noise reduction
- Motion detection
- Tampering Alarm
- Defog
- Text overlay
- Privacy mask
- 12 languages supported
- ONVIF (Profile G, S, T, M) conformant

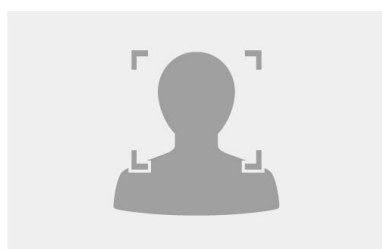
### **Introduction**

GV-TBL4807 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 a better compression ratio while maintaining high-quality pictures at reduced network bandwidths. The camera adheres to the IP67 standard and can be powered through PoE.

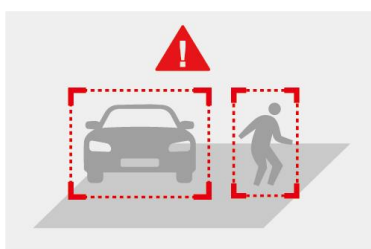
Empowered by deep learning algorithms, its AI technology distinguishes humans and vehicles from other moving objects. Integrated with GeoVision Video Management Software (VMS), it supports AI perimeter protection, real-time alerts, event playback, and more.

### **Deep Learning Function**

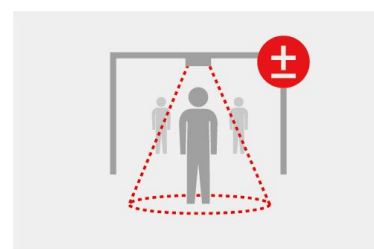
#### **Face Detection**



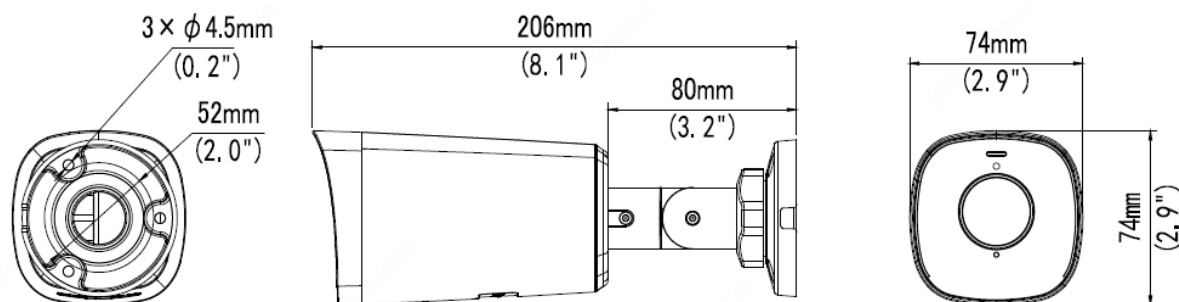
#### **AI Perimeter Protection** (Intrusion, Crossing Line Entering Area, Leaving Area)



#### **People Flow Counting**



## Dimensions



## Specifications

| Camera                                                                     |                                  |                                                                                                                                                                                                  |                 |                |                  |
|----------------------------------------------------------------------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------|----------------|------------------|
| Image Sensor                                                               |                                  | 1/2.7" progressive scan CMOS                                                                                                                                                                     |                 |                |                  |
| Picture Elements                                                           |                                  | 2688 (H) x 1520 (V)                                                                                                                                                                              |                 |                |                  |
| Minimum Illumination                                                       | Color                            | 0.002 Lux (F1.6, 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                                                               |                                  | 6 mm                                                                                                                                                                                             |                 |                |                  |
| Lens Type                                                                  |                                  | Fixed                                                                                                                                                                                            |                 |                |                  |
| Maximum Aperture                                                           |                                  | F/1.6                                                                                                                                                                                            |                 |                |                  |
| Mount                                                                      |                                  | M12                                                                                                                                                                                              |                 |                |                  |
| FOV                                                                        | Horizontal                       | 52.1°                                                                                                                                                                                            |                 |                |                  |
|                                                                            | Vertical                         | 28.0°                                                                                                                                                                                            |                 |                |                  |
|                                                                            | Diagonal                         | 59.2°                                                                                                                                                                                            |                 |                |                  |
| Operation                                                                  | Focus                            | Fixed                                                                                                                                                                                            |                 |                |                  |
|                                                                            | Zoom                             | Fixed                                                                                                                                                                                            |                 |                |                  |
|                                                                            | Iris                             | Fixed                                                                                                                                                                                            |                 |                |                  |
| IR LED Quantity                                                            |                                  | 4 IR LEDs                                                                                                                                                                                        |                 |                |                  |
| Max. IR Distance                                                           |                                  | 80 m (260 ft)                                                                                                                                                                                    |                 |                |                  |
| DORI                                                                       |                                  | Detect                                                                                                                                                                                           | Observe         | Recognize      | Identify         |
| Lens                                                                       | 6 mm                             | 135 m (442.9 ft)                                                                                                                                                                                 | 54 m (177.2 ft) | 27 m (88.6 ft) | 13.5 m (44.3 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 360 (Default), 640 x 480                                                                                                                                            |                 |                |                  |
|                                                                            | Third Stream (Closed by Default) | 640 x 360, 352 x 288                                                                                                                                                                             |                 |                |                  |
| Frame Rate                                                                 |                                  | 30 fps at 2688 x 1520, 2560 x 1440, 2304 x 1296, 1920 x 1080 (50/60 Hz)<br>*The frame rate and performance may vary depending on the number of connections and data bitrates (different scenes). |                 |                |                  |
| Maximum throughput                                                         |                                  | 40 Mbps                                                                                                                                                                                          |                 |                |                  |
| Maximum stream<br>*When the total bitrate is within the maximum throughput |                                  | 20                                                                                                                                                                                               |                 |                |                  |

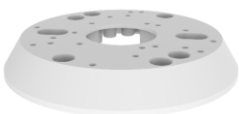
|                               |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
|-------------------------------|---------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Video Analytics               |               | Motion Detection, Audio Alarm, Tamper Detection.<br>*Tampering detection and audio alarm 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, 90°, 180°-including Corridor format)                                                                                                                                                                                                                                                                                                                                                                                          |
| Audio Compression             |               | G.711                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Audio Support                 |               | One-way Audio (built-in microphone)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Digital I/O                   | Input         | 1 Input, dry contact, NO / NC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
|                               | Output        | 1 Relay Output (1A 30V DC / 0.3A 125V AC)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Deep Learning Function</b> |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| AI Analytics                  |               | <ul style="list-style-type: none"> <li>- <u>Perimeter Protection</u> (Human &amp; Vehicle classification): Cross Line, Enter Area, Leave Area, Intrusion</li> <li>- <u>Face Detection</u>, <u>People Flow Counting</u>, <u>Crowd Density Monitoring</u></li> </ul> <p>*All Perimeter Protection rules can be enabled together. However, due to hardware resource limitations, only one AI function can be enabled at a time: Perimeter Protection, Face Detection, People Flow Counting, or Crowd Density Monitoring.</p> |
| <b>Network</b>                |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Interface                     |               | 10/100 Ethernet                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Protocol                      |               | 802.1X authentication (EAP-TLS, EAP-MD5), ARP, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, ONVIF (Profile G, S, T, M), PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP, UDP, UPnP                                                                                                                                                                                                                                                                                                                        |
| <b>Mechanical</b>             |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Camera Angle Adjustment       | Pan           | 0° ~ 360°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                               | Tilt          | 0° ~ 90°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
|                               | Rotate        | 0° ~ 360°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Connectors                    | Power         | DC Jack, PoE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
|                               | Ethernet      | RJ-45                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|                               | Audio         | 2 In (built-in microphone x 2)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|                               | Digital I/O   | I/O wires                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
|                               | Local Storage | microSD card slot (SD / SDHC / SDXC), up to 512 GB                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| <b>General</b>                |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Operating Temperature         |               | -30°C ~ 60°C (-22°F ~ 140°F)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Humidity                      |               | 0 ~ 95% (no condensation)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Power Source                  |               | 1.25A 12V DC / PoE (IEEE802.3af)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Max. Power Consumption        |               | 7 W                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Dimensions                    |               | 206 × 74 × 74 mm (8.1" × 2.9" × 2.9")                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Weight                        |               | 0.51 kg (1.12 lb)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Ingress Protection            |               | IP67                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Certification                 |               | CE, FCC, LVD, RoHS, UL compliant                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Web Interface</b>          |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| 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                      |               | Chinese Traditional, Czech, English, French, German, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Software Applications</b>  |               |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Software Supported            |               | GV-VMS (V17.4.7 with patch / V18.3.2 with patch or later), GV-Control Center (V3.8.0 with patch / V4.2.0 or later), GV-Edge Recording Manager Windows Version (V2.2.7 or later), GV-Recording Server / Video Gateway (V2.1.0 with patch or later)                                                                                                                                                                                                                                                                         |
| Smart Device Access           |               | GV-Eye for iOS / Android (V3.11 or later)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| Live Viewing                  |               | Browser (IE, Edge, Chrome, Firefox)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

**Note:** All specifications are subject to change without notice.

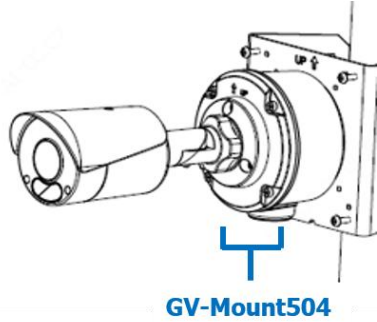
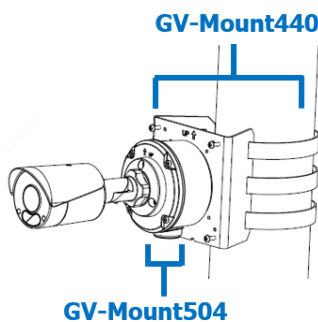
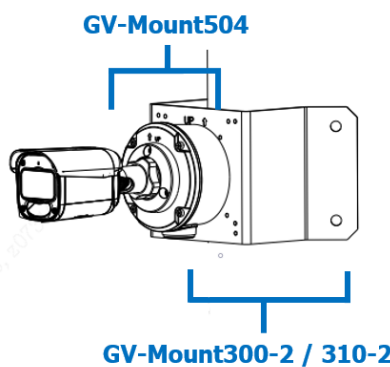
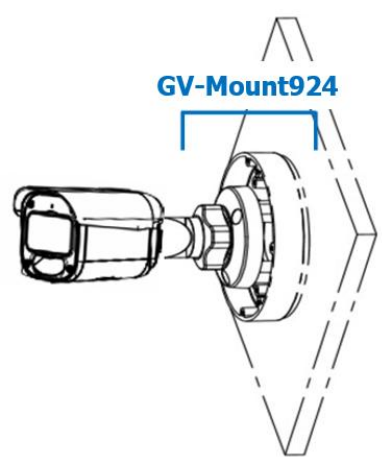
## Packing List

1. GV-TBL4807 IR Bullet Camera
2. Waterproof Rubber Set
3. Screw kit
4. Drill Template Paster
5. Torx Wrench
6. Download Guide

## Accessories

| Model No.                                                          | Name                                                                                                                                                                  |                                                                                     | Details                                                                                                                                                         |
|--------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount300-2<br>(must be used with GV-Mount504)                   | Convex Corner Mount                                                                                                                                                   |    | Dimensions: 137 x 233 x 160 mm (5.4" x 9.17" x 6.3")<br>Weight: 1.65 kg (3.64 lb)                                                                               |
| GV-Mount310-2<br>(must be used with GV-Mount504)                   | Concave Corner Mount                                                                                                                                                  |    | Dimensions: 111.2 x 369.9 x 210 mm (2.6" x 11.4" x 6.6")<br>Weight: 1.65 kg (3.64 lb)                                                                           |
| GV-Mount440<br>(must be used with GV-Mount504)                     | Pole Mount                                                                                                                                                            |   | Dimensions: 127 x 136 x 62.5 mm (5.0" x 5.4" x 2.5")<br>Weight: 0.34 kg (0.75 lb)                                                                               |
| GV-Mount440-1<br>(must be used with GV-Mount504)                   | Pole Mount Bracket                                                                                                                                                    |  | Dimensions: 136 x 127 x 63.6 mm (5.4" x 5.0" x 2.5")<br>Weight: 0.34 kg (0.75 lb)<br>Steel Strap Diameter: $\varnothing$ 67 ~ 127 mm ( $\varnothing$ 2.6" ~ 5") |
| GV-Mount504                                                        | Wall Mount Bracket                                                                                                                                                    |  | Dimensions: 104.4 x 54.5 mm (4.11" x 2.15")<br>Weight: 0.36 kg (0.79 lb)                                                                                        |
| GV-Mount924<br>(for standard US single and double gang boxes only) | Power Box Mount Bracket                                                                                                                                               |  | Dimensions: $\varnothing$ 128 x 18.5 mm ( $\varnothing$ 5" x 0.7")<br>Weight: 0.15 kg (0.33 lb)                                                                 |
| GV-PA191                                                           |                                                                                                                                                                       |  | GV-PA191 is a Power over Ethernet (PoE) adapter designed to provide power to the IP device through a single Ethernet cable.                                     |
| GV-PA301                                                           |                                                                                                                                                                       |  | GV-PA301 is a Gigabit 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. It is available in various models with different numbers and types of ports. |                                                                                     |                                                                                                                                                                 |
| Power Adapter                                                      | Contact our sales representatives for the countries and areas supported.                                                                                              |                                                                                     |                                                                                                                                                                 |

## Mounting Type

| Wall Bracket Mount<br>GV-Mount504                                                  | Pole Mount<br>GV-Mount504 + GV-Mount440 / 440-1                                     |
|------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
|   |   |
| Convex / Concave Corner Mount<br>GV-Mount504 + GV-Mount300-2 / 310-2               | Power Box Mount<br>GV-Mount924                                                      |
|  |  |