

## **GV-TBL4705 4MP H.265 Super Low Lux WDR Pro IR Bullet IP Camera**

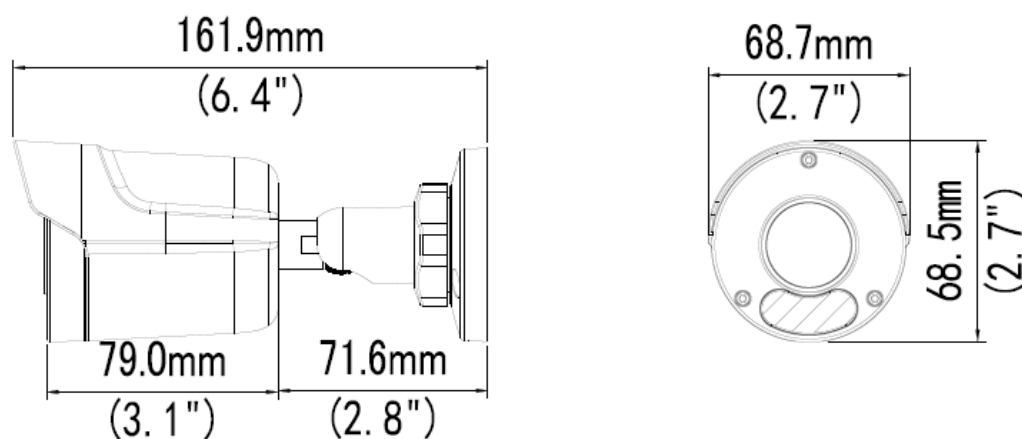


- 1/3" progressive scan super low lux CMOS sensor
- Min. illumination at 0.003 lux
- Dual streams from H.265, H.264 or MJPEG
- Up to 30 fps at 2688 x 1520
- Intelligent IR
- IR distance up to 50 m (165 ft)
- Built-in microphone
- Built-in micro SD card slot (SD / SDHC / SDXC / UHS-I) for local storage
- Day and night function (with removable IR-cut filter)
- Ingress protection (IP67)
- DC 12V / PoE (IEEE 802.3af)
- Wide Dynamic Range Pro (WDR Pro)
- Defog
- 3D noise reduction
- Motion detection
- Text overlay
- Privacy mask
- 12 languages supported
- ONVIF (Profile G, S, T) conformant

### **Introduction**

The Bullet IP Camera 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. It adheres to IP67 standards and can be powered through PoE.

### **Dimensions**



### **Specifications**

| <b>Camera</b>        |       |                                          |
|----------------------|-------|------------------------------------------|
| Image Sensor         |       | 1/3" progressive scan super low lux CMOS |
| Picture Elements     |       | 2688 (H) x 1520 (V)                      |
| Minimum Illumination | Color | 0.003 Lux (F1.6, AGC ON)                 |
|                      | IR ON | 0 Lux                                    |
| Shutter Speed        |       | Auto / Manual (1 ~ 1/100000s )           |
| White Balance        |       | Auto / Manual                            |
| Gain Control         |       | Auto / 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                                                                  |               | Fixed                                                                                                                                                                                                                                                      |                 |                |               |
| Focal Length                                                               |               | 4 mm                                                                                                                                                                                                                                                       |                 |                |               |
| Maximum Aperture                                                           |               | F/1.6                                                                                                                                                                                                                                                      |                 |                |               |
| Mount                                                                      |               | M12                                                                                                                                                                                                                                                        |                 |                |               |
| Horizontal FOV                                                             |               | 83.7°                                                                                                                                                                                                                                                      |                 |                |               |
| Operation                                                                  | Focus         | Fixed                                                                                                                                                                                                                                                      |                 |                |               |
|                                                                            | Zoom          |                                                                                                                                                                                                                                                            |                 |                |               |
|                                                                            | Iris          |                                                                                                                                                                                                                                                            |                 |                |               |
| IR LED Quantity                                                            |               | 2 IR LED                                                                                                                                                                                                                                                   |                 |                |               |
| Max. IR Distance                                                           |               | 50 m (165 ft)                                                                                                                                                                                                                                              |                 |                |               |
| DORI                                                                       |               | Detect                                                                                                                                                                                                                                                     | Observe         | Recognize      | Identify      |
| Lens                                                                       | 4 mm          | 90 m (295.3 ft)                                                                                                                                                                                                                                            | 36 m (118.1 ft) | 18 m (59.1 ft) | 9 m (29.5 ft) |
| Operation                                                                  |               |                                                                                                                                                                                                                                                            |                 |                |               |
| Video Compression                                                          |               | H.265, H.264, MJPEG                                                                                                                                                                                                                                        |                 |                |               |
| Video Streaming                                                            |               | Dual streams from H.265, H.264 or MJPEG                                                                                                                                                                                                                    |                 |                |               |
| 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)                                                                                                                                                                                                      |                 |                |               |
| Frame Rate                                                                 |               | 30 fps at 2688 x 1520 ( 60 / 50 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 |               | 6                                                                                                                                                                                                                                                          |                 |                |               |
| Video Analytics                                                            |               | Motion Detection, Tampering Alarm , Audio Detection , Cross Line, Intrusion<br>*Tampering Alarm, Audio Detection, Cross Line, Intrusion 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                                                              |               | One-way Audio                                                                                                                                                                                                                                              |                 |                |               |
| Network                                                                    |               |                                                                                                                                                                                                                                                            |                 |                |               |
| Interface                                                                  |               | 10/100 Ethernet                                                                                                                                                                                                                                            |                 |                |               |
| Protocol                                                                   |               | 802.1X (including EAP-TLS), 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)                                                                  |                 |                |               |
| 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         | 1 In (built-in microphone)                                                                                                                                                                                                                                 |                 |                |               |
|                                                                            | Local Storage | Micro SD card slot (SD/SDHC/SDXC/UHS-I, Class 10)<br>*UHS-II card type is 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                                                     |               | 6 W                                                                                                                                                                                                                                                        |                 |                |               |
| Dimensions                                                                 |               | 161.9 × 68.7 × 68.5 mm (6.4” × 2.7” × 2.7”)                                                                                                                                                                                                                |                 |                |               |
| Weight                                                                     |               | 0.45 kg (0.99 lb)                                                                                                                                                                                                                                          |                 |                |               |
| Ingress Protection                                                         |               | IP67                                                                                                                                                                                                                                                       |                 |                |               |

|                         |                                                                                                                                                                                                                                                   |
|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Certification           | CE, FCC, RoHS, UL compliant                                                                                                                                                                                                                       |
| <b>Web Interface</b>    |                                                                                                                                                                                                                                                   |
| 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, Hungarian, Italian, Japanese, Polish, Portuguese, Russian, Spanish, Traditional Chinese                                                                                                                           |
| <b>Applications</b>     |                                                                                                                                                                                                                                                   |
| 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), GV-Mobile Server (V1.5.0.0) |
| Smart Device Access     | GV-Eye for iOS and Android                                                                                                                                                                                                                        |
| Live Viewing            | Browser (IE, Edge, Chrome, Firefox), Mobile App                                                                                                                                                                                                   |

**Note:**

1. It is required to apply patch files to some or all 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-TBL4705 Bullet     | 4. Drill Template Paster |
| 2. Waterproof Rubber Set | 5. Download Guide        |
| 3. Screw Kit             | 6. Warranty Card         |

**Accessories**

| Model No.                                           | Name                 |                                                                                     | Details                                                                                                                               |
|-----------------------------------------------------|----------------------|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| GV-Mount300-2<br>(must be used with<br>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<br>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 (must<br>be used with<br>GV-Mount504)   | Pole Mount           |  | Dimensions: 127 x 136 x 62.5 mm (5" x 5.35" x 2.46")<br>Weight: 0.34 kg (0.75lb)<br>Steel Strap Diameter: Ø 67 ~ 127 mm (Ø 2.6" ~ 5") |

|                                                                |                                                                                                                                                                                  |                                                                                   |                                                                                                                             |
|----------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 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-Mount924(for standard US single and double gang boxes only) | Power Box Mount Bracket                                                                                                                                                          |  | Dimensions: Ø 128 x 18.5 mm (Ø 5" x 0.7") Weight: 0.15 kg (0.33 lb)                                                         |
| GV-PA191                                                       | 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-PA301                                                       | Gigabit PoE Adapter                                                                                                                                                              |  | GV-PA301 is a Gigabit Power over Ethernet (PoE) adapter.                                                                    |
| 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.                                                                                                         |                                                                                   |                                                                                                                             |