# TVGP-M01-0201-BUL-G

**TruVision 2MP, H.265+, Smart IP Bullet Camera, 40 m IR, 4 mm lens, grey**

## Overview

The TruVision Series 6 line of IP bullet cameras leverages the latest H.265 video compression technology to bring state of-the-art, high-definition pictures to the mass video surveillance market. With video resolutions from 2 megapixel to 4K, these IP cameras represent a flexible video surveillance device to meet any need. Equipped with advanced technology and signal processing capability, they effectively capture video under challenging conditions.

TruVision cameras utilize H.265 and/or H.264 compression technology with triple-streaming capability, making it easy to manage the camera's bandwidth usage. Recording to a local MicroSD card (not included) protects data in the event of network disruptions.

These cameras go above and beyond standard motion detection with enhanced alarm capabilities, including cross line detection, intrusion detection and face detection features. Each is user-configurable to best suit the installation environment. A Region of Interest function (ROI) ensures specific portions of an image are given priority during instances of high network traffic or network degradation.



## Details

- Maximum resolution: 2MP (1920 x 1080)
- Person/vehicle classification
- Video intelligence: intrusion detection, cross line detection, face detection
- Up to 40 m IR illumination
- H.265+ compression
- ONVIF Profile G, S, T open standards
- Edge recording up to 256 GB SDHC card

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## Technical specifications

### General

| | |
|---|---|
| Technology | IP |
| Video standard | NTSC, PAL |
| Image settings | Hallway View, Mirror, ROI (Region Of Interest) |
| Privacy masking | Yes |
| Software compatibility | Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, Web Browser |

### Camera

| | |
|---|---|
| Sensor size | 1/2.8" |
| Max. resolution | 2 MP |
| Sensor scan | Progressive |
| Sensor type | CMOS |
| Shutter time | 1/3 to 1/100,000 s |

### Lighting performance

| | |
|---|---|
| WDR type | True WDR |
| WDR | 120 dB |
| Digital noise reduction | 3D DNR |
| Day/night | True Day/Night |
| Motorized IR cut filter | Yes |
| Color sensitivity | Color: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on |
| Infrared (IR) | Yes |
| IR range | Up to 40 m |
| IR wavelength | 850 nm |

### Encoding

| | |
|---|---|
| Video streams | 3 |
| Main stream compression | H.264, H.265, H.265+ |
| Sub stream compression | H.264, H.265, MJPEG |
| Third stream compression | H.264, H.265 |
| Video bit rate | 32 to 8 Mbps |
| Main stream resolutions | 1280 x 720 (XVGA), 1920 x 1080 (1080p) |
| Sub stream resolutions | 640 x 360 (nHD), 640 x 480 (VGA) |
| Third stream resolutions | 1280 x 720 (XVGA), 640 x 360 (nHD), 640 x 480 (VGA) |
| Max. resolution @ fps | 1920 x 1080 @ 25/30 fps |

### Lens

| | |
|---|---|
| Lens type | Fixed |
| Focal length | 4 mm, horizontal FoV 87°, vertical FoV 46°, diagonal FoV 104° |
| f-stop | F1.6 |
| Auto iris | No |

### Network

| | |
|---|---|
| Network interface | RJ-45 10/100 Mbps self-adaptive Ethernet interface |
| Integration | ONVIF Profile G, ONVIF Profile S, ONVIF Profile T |
| Supported network protocols | 802.1x, Bonjour, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP |

### Storage

| | |
|---|---|
| Local storage type | Built-in Micro SD/SDHC/SDXC card slot |
| Max. SD card capacity | 256 GB |

### Video intelligence

| | |
|---|---|
| Alarm trigger | HDD error, HDD full, Invalid login, IP address conflict, Motion detection, Network disconnected, Video tampering |
| ROI | Support 1 fixed region for main stream and sub-stream |
| Smart event | Advanced motion detection, Face detection, Intrusion detection, Line crossing detection, Motion detection |
| Intelligence options | Person/vehicle detection on motion, line crossing and intrusion detection |

### Electrical

| | |
|---|---|
| Operating voltage | 12 VDC, 0.5 A, PoE (802.3af, 36 to 57 V), 0.2 to 0.13 A |
| Power consumption | max. 7 W |

### Physical

| | |
|---|---|
| Physical dimensions | Ø70 × 161.7 mm<br>Ø2.8 × 6.4 in. |
| Net weight | 490 g<br>1.1 lb. |
| Shipping weight | 724 g<br>1.6 lb. |
| Colour | Grey |
| Material | Aluminium |
| Form Factor | Bullet |

### Environmental

| | |
|---|---|
| Environment | Outdoor |
| Operating temperature | -30 to +60°C<br>-22 to +140°F |
| Relative humidity | <95% noncondensing |
| IP rating | IP67 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, FCC, REACH, RoHS, UL, WEEE |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Brackets & Mounts | TVB-BB1 | TruVision bullet camera back box (use with TVB fixed lens bullet) |

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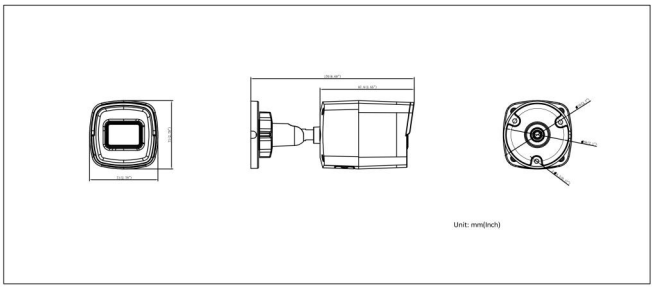


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