# TVGP-M01-0801-BUL-G

**TruVision 8MP/4K, H.265+, Smart IP Bullet Camera, 40 m IR, 4 mm lens, grey**

## Overview

The TruVision M-series 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.

The cameras go above and beyond standard motion detection with enhanced alarm capabilities, including cross line detection, intrusion detection and face detection features. With its smart person/vehicle feature the camera can ignore irrelevant motion or VCA events which will automatically lead to less storage consumption and faster retrieval of relevant video events.

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.



## Details

- Maximum resolution: 8MP/4K (3840 × 2160)
- 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 | 8 MP (4K) |
| 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 | 850nm |

### 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 16 Mbps |
| Main stream resolutions | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 2688 x 1520, 3200 x 1800, 3840 x 2160 |
| Sub stream resolutions | 640 x 360 (nHD), 640 x 480 (VGA) |
| Third stream resolutions | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 640 x 360 (nHD), 640 x 480 (VGA) |
| Max. resolution @ fps | 3840 x 2160 @ 20 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, PoE(802.3af, class 3) |
| Power consumption | max. 7.2 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

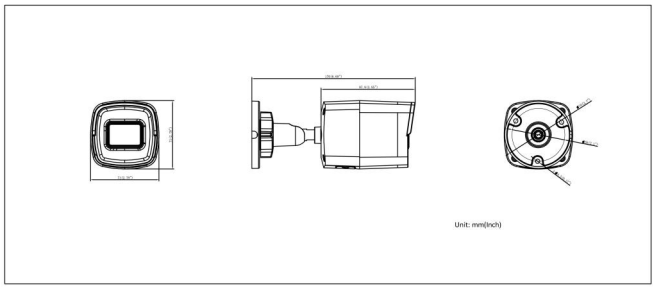
| | |
|---|---|
| Compliancy | CE, FCC, REACH, RoHS, UL, WEEE |

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### Compatible products

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




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