# TVGP-P01-0401-BUL-G

**Caméra IP Bullet TruVision™ 4MP, pour conditions de luminosité extrêmement faibles, objectif 2,8-12 mm, grise.**

## Overview

The TruVision P Series IP bullet cameras have a rich set of features which make them ideal for demanding security, surveillance, and monitoring applications such as commercial, retail and large projects. With smart event capabilities available in 4 and 8MP 4K resolutions delivering high-quality images thanks to their extreme low light sensitivity brings clear visibility even in the dark and enhanced image processing.

The cameras support up to 4 configurable video streams which allow users to optimize the cameras remote live view capabilities while controlling the bandwidth usage. The motorized varifocal lens with P-iris technology allows users to remotely adjust the zoom level and focus to get crisp images anytime anywhere. In addition to the compatibility with other TruVision products and 3rd party VMS software, the cameras also support NAS recording or local MicroSD card recording to protect data in the event of network disruptions.

The cameras go above and beyond standard motion detection with enhanced alarm capabilities, including cross line detection, intrusion detection, region entrance, region exit and face capture features. With its smart person/vehicle filter 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.




## Détails

- Résolution maximale : 2688 × 1520
- Compression H.265(+), H.264(+) et MJPEG
- 4 flux vidéo indépendants configurables
- Zoom motorisé de 2,8 à 12 mm avec mise au point automatique
- Éclairage IR jusqu'à 60 m
- Lentille P-iris
- Profils ONVIF S, G et T
- Intelligence vidéo enrichie (VCA)
- Gamme dynamique étendue jusqu'à 140 dB
- Enregistrement embarqué jusqu'à 256 Go avec une carte SD optionnelle

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## Spécifications techniques

### General

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

### Camera

| | |
|---|---|
| Sensor size | 1/1.8" |
| Max. resolution | 4 MP |
| Sensor scan | Progressive |
| Sensor type | CMOS |
| Shutter time | 1/3 s to 1/100,000 s |

### Lighting performance

| | |
|---|---|
| WDR type | True WDR |
| WDR | 140 dB |
| Digital noise reduction | 3D DNR |
| Day/night | True Day/Night |
| Motorized IR cut filter | Yes |
| Color sensitivity | Color: 0.0014 Lux @ (F1.4, AGC ON), B/W: 0 Lux with IR |
| Infrared (IR) | Yes |
| IR range | Up to 60 m |
| IR wavelength | 850 nm |

### Encoding

| | |
|---|---|
| Video streams | 4 |
| Main stream compression | H.264, 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), 2688 x 1520 |
| Sub stream resolutions | 1280 x 720 (XVGA), 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) |
| 4th stream compression | H.265, H.264, MJPEG |
| 4th stream resolutions | 1280 x 720 (XVGA), 640 x 480 (VGA), 640 x 360 (nHD) |
| Max. resolution @ fps | 2688 × 1520 @ 25/30 fps |

### Lens

| | |
|---|---|
| Lens type | Varifocal motorized |
| Focal length | 2.8 to 12 mm: horizontal FoV 114 to 41.8°, vertical FoV 59.3 o 23.6°, diagonal FoV 141.3 to 48.1° |
| P-iris | Yes |
| Auto focus | Yes |
| Motorized zoom | Yes |

### DORI

| | |
|---|---|
| Detection | 60 to 149 m |
| Observation | 23.8 to 59.1 m |
| Recognition | 12 to 29.8 m |
| Identification | 6 to 14.9 m |

### Network

| | |
|---|---|
| Network interface | RJ-45 10/100 Mbps self-adaptive Ethernet interface |
| Integration | CGI, ISAPI, 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 |

### WiFi

| | |
|---|---|
| Security | Protection par mot de passe, cryptage HTTPS, authentification 802.1x (EAP-TLS, EAP-LEAP, EAP-MD5), filigrane, filtre d'adresses IP, authentification de base et numérique pour HTTP/HTTPS, authentification WSSE et numérique pour ONVIF, RTP/RTSP sur HTTPS, p |

### Audio

| | |
|---|---|
| Audio compression | G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3, PCM |
| Audio in | 1 input (line in), terminal block, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, |
| Audio out | 1 output (line out), terminal block, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω |

### Alarm I/O

| | |
|---|---|
| Alarm inputs | 3 |
| Alarm outputs | 3 outputs (24 VAC/VDC, 1A max) |

### Storage

| | |
|---|---|
| Local storage support | Yes |
| Storage options | NAS (NFS, SMB/CIFS) |
| 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, Network disconnected, Video tampering |
| ROI | 5 fixed regions for main stream and sub-stream |
| Smart event | Advanced motion detection, Audio exception detection, Defocus, Face capture, Intrusion detection, Line crossing detection, Object removal detection, People counting, People management, Region entrance detection, Region exiting detection, Scene change detection, Unattended baggage detection |

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## Electrical

| | |
|---|---|
| Operating voltage | 12 VDC ± 25%, 1.20 A, 24 VAC ± 20%, 1.03 A, max. 14 W, two-core terminal block, PoE: 802.3at, Class 4, 42.5 V to 57 V, 0.4 A to 0.3 A, max. 17 W |
| Power consumption | 12 VDC, 1.20 A, max. 14 W, 24 VAC, 1.03 A, max. 14 W, PoE: 802.3at, max. 17 W |

## Physical

| | |
|---|---|
| Physical dimensions | Ø105 mm × 340.7 mm<br>Ø4.1 × 13.4 in. |
| Net weight | 1455 g<br>2.9 lb. |
| Shipping weight | 2256 g<br>4.9 lb. |
| Colour | Grey |
| Form Factor | Bullet |

## Environmental

| | |
|---|---|
| Vandal proof | Yes |
| Impact rating | IK10 |
| Environment | Outdoor |
| Operating temperature | -40 to +60°C<br>-40 to +140°F |
| Relative humidity | <95% noncondensing |
| IP rating | IP67 |

## Regulatory

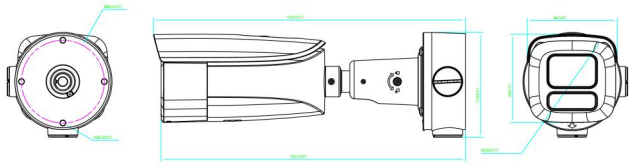
| | |
|---|---|
| Compliancy | CE, FCC, REACH, RoHS, UL, WEEE |

## Compatible Accessories

| | |
|---|---|
| Back Box | Included with camera |
| TVD-M-CMA | Adaptateur de montage en coin TruVision |
| TVD-M-PMA-SS | Adaptateur de montage sur poteau TruVision (acier inoxydable) |

## Produits compatibles

| Catégorie | Référence | Description |
|---|---|---|
| Brackets & Mounts | TVD-M-CMA | Adaptateur de fixation en angle TruVision pour TVD-SNB (ou Caméras Bullet TVC-IP) |
| Brackets & Mounts | TVD-M-PMA-SS | Adaptateur de montage sur poteau TruVision pour utilisation avec TVD-SNB (acier inoxydable). |



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