TVGP-P01-0402-BUL-G

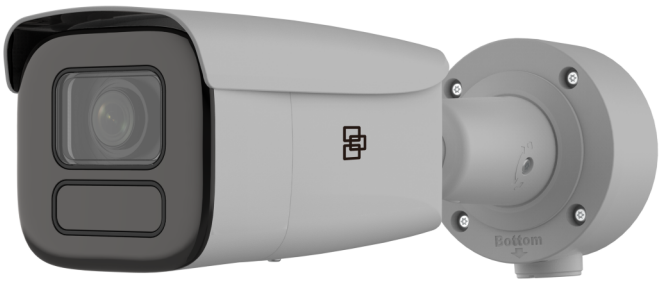
TruVision™ 4MP, Extreme Low Light, IP Bullet Camera, 8-32 mm Lens, grey

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.



Details

- Maximum resolution: 2688 × 1520
- H.265(+), H.264(+) and MJPEG compression
- 4 independent configurable video streams
- Motorized zoom lens 8 to 32 mm with auto-focus
- Up to 80 m IR illumination
- P-iris lens
- ONVIF Profiles S, G and T
- Rich video intelligence (VCA)
- Up to 140 dB Wide Dynamic Range
- Edge recording up to 256 GB with optional SD card

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Technical specifications

General

Technology	IP
Video standard	NTSC, PAL
Image settings	De-Fog, Flur-Ansicht, Spiegel, ROI (Region Of Interest)
Privacy masking	Yes
Software compatibility	Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, Webbrowser

Camera

Sensor size	1/1.8"
Max. resolution	4 MPX
Sensor scan	Progressiv
Sensor type	CMOS
Shutter time	1/3 s to 1/100,000 s

Lighting performance

WDR type	Echt-WDR
WDR	140 dB
Digital noise reduction	3D DNR
Day/night	Echt Tag / Nacht
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 80 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	Varifokal motorisiert
Focal length	8 to 32 mm: horizontal FoV 42.5 to 15.2°, vertical FoV 23.4 to 8.7°, diagonal FoV 49.7 to 17.3°
P-iris	Yes
Auto focus	Yes
Motorized zoom	Yes

DORI

Detection	150.3 to 400 m
Observation	59.7 to 158.7 m
Recognition	30.1 to 80 m
Identification	15 to 40 m

Network

Network interface	RJ-45 10/100 Mbit / s selbstanpassende Ethernet-Schnittstelle
Integration	CGI, ISAPI, ONVIF Profil G, ONVIF Profil 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

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, 1 A 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	Erweiterte Bewegungserkennung, Audio exception detection, De-Fokus, Face capture, Einbruchmeldetechnikserkennung, Line crossing detection, Object removal detection, People counting, People management, Erkennung eines Bereichseintritts, Region exiting detection, Bildwechsel, Unattended baggage detection
Intelligence options	Person/vehicle detection on motion, line crossing, intrusion detection, region entrance detection and region exit detection

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

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Physical

Physical dimensions	Ø105 mm × 340.7 mm (Ø4.1 × 13.4 in.)
Net weight	1455 g (2.9 lb.)
Shipping weight	2256 g (4.9 lb.)
Colour	Grau
Form Factor	Zylinder

Environmental

Vandal proof	Yes
Impact rating	IK10
Environment	Draussen
Operating temperature	-40 to +60°C (-40 to +140°F)
Relative humidity	<95% noncondensing
IP rating	IP67

Regulatory

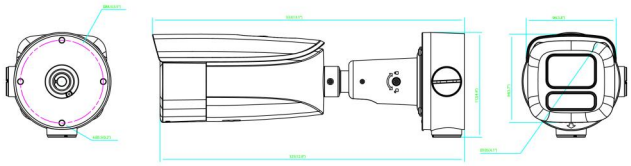
Compliancy	CE, FCC, REACH, RoHS, UL, WEEE

Compatible Accessories

Back Box	Included with camera
TVD-M-CMA	TruVision Corner Mount Adaptor
TVD-M-PMA-SS	TruVision Pole Mount Adaptor (Stainless Steel)

Compatible products

Category	Reference	Description
Brackets & Mounts	TVD-M-CMA	TruVision Corner Mount Adaptor for TVD-SNB (or TVC-IP Bullet Cameras)
Brackets & Mounts	TVD-M-PMA-SS	TruVision Pole Mount Adaptor, stainless steel



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