TVGP-P01-0803-DOM-G

TruVision™ 8MP, Super Low Light, IP Dome Camera, 2.7-13.5 mm Lens, grey

Overview

The TruVision P Series IP dome 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 auto-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: 3840 × 2160
- H.265(+), H.264(+) and MJPEG compression
- 4 independent configurable video streams
- Motorized zoom lens 2.7 to 13.5 mm with auto-focus
- Up to 40 m IR illumination
- ONVIF Profiles S, G and T
- Rich video intelligence (VCA)
- Up to 120 dB Wide Dynamic Range
- Edge recording up to 512 GB with optional SD card

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Technical specifications

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	8 MP (4K)
Sensor scan	Progressive
Sensor type	CMOS
Shutter time	1/3 s 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: 0.003 Lux @ (F1.4, AGC ON),B/W: 0 Lux with IR
Infrared (IR)	Yes
IR range	Up to 40 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 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	1280 x 960 (720p), 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	3840 × 2160 @ 25/30 fps

Lens

Lens type	Varifocal motorized
Focal length	2.7 to 13.5 mm: horizontal FoV 108 to 46°, vertical FoV 58 to 26°, diagonal FoV 127 to 52°
Auto iris	Yes
Auto focus	Yes
Motorized zoom	Yes

DORI

Detection	86 to 192 m
Observation	34 to 76 m
Recognition	17 to 38 m
Identification	8 to 19 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

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	2
Alarm outputs	2 outputs (24 VAC/VDC, 1A max)

Storage

Local storage support	Yes
Local storage type	Built-in Micro SD/SDHC/SDXC card slot
Max. SD card capacity	512 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
Intelligence options	Person/vehicle detection on motion, line crossing, intrusion detection, region entrance detection and region exit detection

Electrical

Operating voltage	12 VDC ± 25%, 1.25 A, Ø5.5 mm coaxial power plug, PoE: IEEE 802.3at, Class 4
Power consumption	12 VDC, 1.25 A, max. 15 W, PoE: 802.3at, max. 18 W

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Physical

Physical dimensions	Ø153.3 mm × 111.6 mm Ø6.0 × 4.4 in.
Net weight	870 g 1.9 lb.
Shipping weight	1970 g 4.5 lb.
Colour	Grey
Form Factor	Dome

Environmental

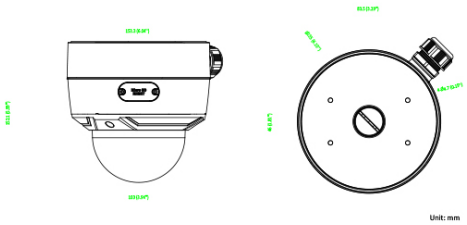
Vandal proof	Yes
Impact rating	IK10
Environment	Outdoor
Operating temperature	-30 to +60°C -22 to +140°F
Relative humidity	<95% noncondensing
IP rating	IP67

Regulatory

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

Compatible products

Category	Reference	Description
Brackets & Mounts	TVD-BB4	TruVision Back Box for S6 and M Series varifocal dome cameras, grey
Brackets & Mounts	TVD-CB9	TruVision Cup Base for S7 outdoor dome camera
Brackets & Mounts	TVD-CBW	TruVision wall mount bracket compatible with TruVision Cup Bases TVx-CBx
Brackets & Mounts	TVD-M-PMA-SS	TruVision Pole Mount Adaptor, stainless steel
Brackets & Mounts	TVD-PPB	TruVision Dome Pendant Ceiling mount bracket for TVD-CBx, TVF-CBM
Brackets & Mounts	TVD-SNB-BB	TruVision TVD-SNB back box, 4-directional conduit, indoor & outdoor
Brackets & Mounts	TVD-VFM3	TruVision flush mount for S6 and M Series varifocal dome IP cameras
Camera Housing	TVD-BS-5S	TruVision Dome Bubble Spare, Smoked, for motorized lens domes



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