

# TVGP-P01-0401-DOM-G

**TruVision™ 4MP, Extreme Low Light, IP Dome Camera, 2.8-12 mm Lens, grey**

## Overview

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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. Available in 4 and 8MP 4K resolutions delivering high-quality images thanks to their extreme low light sensitivity which brings clear visibility even in the dark.

The cameras support up to 4 configurable video streams which allows 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

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- Maximum resolution: 2688 × 1520
- H.265(+), H.264(+) and MJPEG compression
- 4 independent configurable video streams
- Motorized zoom lens 2.8 to 12 mm with auto-focus
- Up to 40 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, 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 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 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 x 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 to 23.6°, diagonal FoV 141.3 to 48.1° |
| Auto focus     | Yes                                                                                                |
| Motorized zoom | Yes                                                                                                |
| Auto-iris      | P-iris                                                                                             |

#### 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 |

#### 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 | 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 |
| Intelligence options | Person/vehicle detection on motion, line crossing, intrusion detection, region entrance detection and region exit detection                                                                                                                                                                        |

#### Electrical

|                   |                                                                                                                           |
|-------------------|---------------------------------------------------------------------------------------------------------------------------|
| Operating voltage | 12 VDC ± 25%, 0.9 A, 24 VAC ± 20%, 0.75 A, two-core terminal block, PoE: 802.3af, Class 3, 36 V to 57 V, 0.36 A to 0.23 A |
| Power consumption | 12 VDC, 0.9 A, max. 10.8 W, 24 VAC, 0.75 A, max. 10.8 W, PoE: 802.3at, max. 12.9 W                                        |

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Physical

|                     |                                   |
|---------------------|-----------------------------------|
| Physical dimensions | Ø162 × 141.8 mm<br>Ø6.4 × 5.6 in. |
| Net weight          | 1420 g<br>3.1 lb.                 |
| Shipping weight     | 2058 g<br>4.5 lb.                 |
| Colour              | Grey                              |
| Form Factor         | Dome                              |

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

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

Compatible products

| Category          | Reference    | Description                                                              |
|-------------------|--------------|--------------------------------------------------------------------------|
| 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      | TruVision Dome Swan Neck bracket for TVD-CBx and TVF-CBM cup bases       |
| Brackets & Mounts | TVD-SNB-BB   | TruVision TVD-SNB back box, 4-directional conduit, indoor & outdoor      |
| Camera Housing    | TVD-BS-8CV   | TruVision transparent spare bubble for S7 outdoor dome                   |
| Camera Housing    | TVD-BS-8SV   | TruVision smoked spare bubble for S7 outdoor dome                        |



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