# TVGP-M01-0401-DOM-G

**TruVision 4MP, H.265+, Smart IP Dome camera, 30 m IR, 2.8 mm lens, grey**

## Overview

The TruVision M-series IP dome 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: 4MP (2688 x 1520)
- Person/vehicle classification
- Video intelligence: intrusion detection, cross line detection, face detection
- Up to 30 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 | Flur-Ansicht, Spiegel, ROI (Region Of Interest) |
| Privacy masking | Yes |
| Software compatibility | Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, Webbrowser |

### Camera

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

### Lighting performance

| | |
|---|---|
| WDR type | Echt-WDR |
| WDR | 120 dB |
| Digital noise reduction | 3D DNR |
| Day/night | Echt Tag / Nacht |
| 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 30 m |
| IR wavelength | 850 nm |

### 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 8 Mbps |
| Main stream resolutions | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 2688 x 1520 |
| Sub stream resolutions | 640 x 360 (nHD), 640 x 480 (VGA) |
| Third stream resolutions | 1280 x 720 (XVGA), 640 x 360 (nHD), 640 x 480 (VGA) |
| Max. resolution @ fps | 2688 x 1520 @ 25/30 fps |

### Lens

| | |
|---|---|
| Lens type | Fest |
| Focal length | 2.8 mm, Horizontal FoV 103°, vertical FoV 55°, diagonal FoV 122° |
| f-stop | F1.6 |
| Auto iris | No |

### DORI

| | |
|---|---|
| Detection | 58 m |
| Observation | 23 m |
| Recognition | 11 m |
| Identification | 2 m |

### Network

| | |
|---|---|
| Network interface | RJ-45 10/100 Mbit / s selbstanpassende Ethernet-Schnittstelle |
| Integration | 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), two-core terminal block , max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ |
| Audio out | 1 output (line out), two-core terminal block , max.output amplitude: 3.3 Vpp, output impedance: 100 Ω |

### Alarm I/O

| | |
|---|---|
| Alarm inputs | 1 |
| Alarm outputs | 1 output (max. 12 VDC, 30 mA) |
| Alarm I/O connection | Terminal block |

### 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 | Erweiterte Bewegungserkennung, Gesichtserkennung, Einbruchmeldetechnikserkennung, Line crossing detection, Motion detection |
| Intelligence options | Person/vehicle detection on motion, line crossing and intrusion detection |

### Electrical

| | |
|---|---|
| Operating voltage | 12 VDC, 0.4 A, PoE (802.3af, 36 to 57 V), 0.2 to 0.15 A |
| Power consumption | max. 6.5 W |

### Physical

| | |
|---|---|
| Physical dimensions | Ø110.8 × 84.7 mm<br>Ø4.4 × 3.3 in. |
| Net weight | 530 g<br>1.1 lb. |
| Shipping weight | 720 g<br>1.6 lb. |
| Colour | Grau |
| Material | Aluminium |
| Form Factor | Dome |

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### Environmental

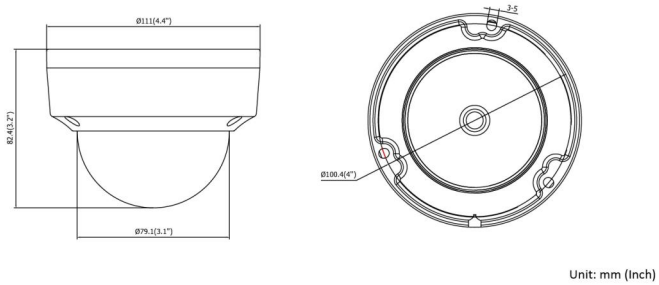
| | |
|---|---|
| Vandal proof | Yes |
| Impact rating | IK10 |
| Environment | Draussen |
| Operating temperature | -30 to +60°C<br>-22 to +140°F |
| Relative humidity | <95% noncondensing |
| IP rating | IP67 |

### Regulatory

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

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Brackets & Mounts | DR-RWM-AD | TruVision Adapter for the TruVision Dome to use on the DR wall-mount bracket |
| Brackets & Mounts | TVD-BB1 | TruVision dome back box used with TVD-11xx/55xx/56xx series plastic mini domes |
| Brackets & Mounts | TVD-CB3 | TruVision Dome 3 inch Cup Base for TruVision varifocal turret cameras |
| 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-M2-WM | TruVision indoor dome wall mount |
| Brackets & Mounts | TVD-PPB | TruVision Dome Pendant Ceiling mount bracket for TVD-CBx, TVF-CBM |
| Camera Housing | TVD-BS-2C | TruVision Dome Bubble Spare, Clear, for fixed lens domes |




Unit: mm (Inch)

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