



# TruVision M Series

TruVision IP turret cameras 4MP, 8MP



## OVERVIEW

The TruVision M-series IP turret 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 4 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 utilise 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.

## 4MP DETAILS





- Maximum Resolution: 4MP (2688 x 1520)
- Fixed lens 2.8mm, motorised zoom lens 2.8 to 12 mm
- 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
- Fixed and varifocal lens options

## 8MP DETAILS

- Maximum Resolution: 8MP/4K (3840 x 2160)
- Fixed lens 2.8mm, motorised zoom lens 2.8 to 12 mm
- Person/vehicle classification
- Video intelligence: intrusion detection, cross line detection, face detection
- Up to 40 m IR illumination
- H.265+ compression
- ONVIF Profile G, S, T open standards
- Edge recording up to 256 GB SDHC card
- Fixed and varifocal lens options





# Technical Specifications

## TruVision 4MP, 8MP

|                       |                          | TVGP-M01-0401-TUR   |               | TVGP-M01-0402-TUR   |                      | TVGP-M01-0801-TUR-G   |  | TVGP-M01-0802-TUR-G   |  |
|-----------------------|--------------------------|---|---------------|---|----------------------|---|--|---|--|
|                       |                          |  |               |  |                      |  |  |  |  |
| General               | Technology               | IP  |               |   |                      |   |  |   |  |
|                       | Video standard           | NTSC, PAL   |               |   |                      |   |  |   |  |
|                       | Image settings           | Hallway View, Mirror, ROI (Region Of Interest)                                    |               |   |                      |   |  |   |  |
|                       | Privacy masking          | Yes   |               |   |                      |   |  |   |  |
|                       | Software compatibility   | Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, Web Browser          |               |   |                      |   |  |   |  |
| Camera                | Sensor size              | 1/3"  |               |   |                      | 1/2.8"  |  |   |  |
|                       | Max. resolution          | 4 MP  |               |   |                      | 8 MP (4K)   |  |   |  |
|                       | Sensor scan              | Progressive   |               |   |                      |   |  |   |  |
|                       | Sensor type              | CMOS  |               |   |                      |   |  |   |  |
|                       | Shutter time             | 1/3 to 1/100,000 s  |               |   |                      |   |  |   |  |
| Lighting performance  | WDR type                 | True WDR  |               |   |                      |   |  |   |  |
|                       | WDR                      | 120 dB  |               |   |                      |   |  |   |  |
|                       | Digital noise reduction  | 3D DNR  |               |   |                      |   |  |   |  |
|                       | Day/night                | True Day/Night  |               |   |                      |   |  |   |  |
|                       | Motorised IR cut filter  | Yes   |               |   |                      |   |  |   |  |
|                       | Colour sensitivity       | Colour: 0.005 Lux @ (F1.6, AGC ON), 0 Lux with IR on                              |               |   |                      |   |  |   |  |
|                       | Infrared (IR)            | Yes   |               |   |                      |   |  |   |  |
|                       | IR range                 | 30 m  | 40 m          | 30 m  | 40 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                               |               |   |                      | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 2688 x 1520, 3200 x 1800, 3840 x 2160       |  |   |  |
|                       | 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)                               |               |   |                      | 1280 x 720 (XVGA), 1920 x 1080 (1080p), 640 x 360 (nHD), 640 x 480 (VGA)            |  |   |  |
| Max. resolution @ fps | 2688 x 1520 @ 25/30 fps  |   |               |   | 3840 x 2160 @ 20 fps |   |  |   |  |
| Lens                  | Lens type                | Fixed   | V.F motorised | Fixed   | V.F motorised        |   |  |   |  |
|                       | Focal length             | 2.8 mm  | 2.8-12 mm     | 2.8 mm  | 2.8-12 mm            |   |  |   |  |
|                       | f-stop                   | F1.6  |               |   |                      |   |  |   |  |
|                       | Auto iris                | No  |               |   |                      |   |  |   |  |
|                       | Auto focus               | n/a   | Yes           | n/a   | Yes                  |   |  |   |  |
|                       | Motorised zoom           | No  | Yes           | No  | Yes                  |   |  |   |  |

# Technical Specifications

## TruVision 4MP, 8MP

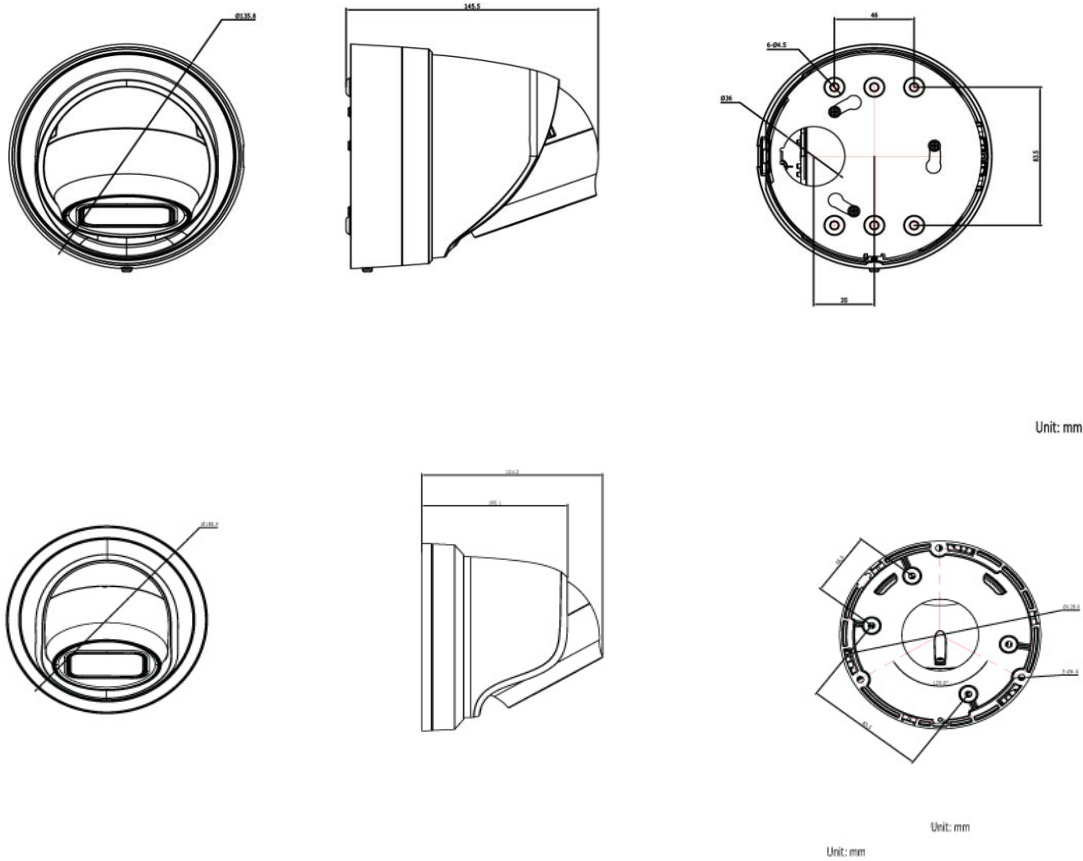
|                           | <b>TVGP-M01-0401-TUR</b><br> | <b>TVGP-M01-0402-TUR</b><br> | <b>TVGP-M01-0801-TUR-G</b><br> | <b>TVGP-M01-0802-TUR-G</b><br> |  |  |                  |  |
|---------------------------|---|---|---|---|--|--|------------------|--|
| <b>Network</b>            | Network interface   |   |   |   | RJ-45 10/100 Mbps self-adaptive Ethernet interface   |  |                  |  |
|                           | Integration   |   |   |   | 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   |  |                  |  |
| <b>Storage</b>            | Local storage type  |   |   |   | Built-in Micro SD/SDHC/SDXC card slot  |  |                  |  |
|                           | Max. SD card capacity   |   |   |   | 256 GB   |  |                  |  |
| <b>Video Intelligence</b> | 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 substream   |  |                  |  |
|                           | Video analytics   |   |   |   | Advanced motion detection, Audio exception detection, Defocus, Face detection, Intrusion detection, Line crossing detection, Object removal detection, Region entrance detection, Region exiting detection, Scene change detection, Unattended baggage detection |  |                  |  |
| <b>Electrical</b>         | Operating voltage   |   |   |   | 12 VDC, 0.5 A, PoE (802.3af, 36 V to 57 V), 0.19 A to 0.12 A   |  |                  |  |
|                           | Alarm input   |   | n/a   |   | 1  |  | n/a              |  |
|                           | Alarm output  |   | n/a   |   | 1 mx 12V DC, 30 mA   |  | n/a              |  |
|                           | Alarm I/O connection  |   | n/a   |   | terminal block   |  | n/a              |  |
|                           | Power consumption   |   | max. 7 W  |   | 11.5 W   |  | 7 W              |  |
| <b>Physical</b>           | Physical dimensions   |   | Ø127.3 x 95.9 mm  |   | Ø138.3 x 126 mm  |  | Ø127.3 x 95.9 mm |  |
|                           | Net weight  |   | 600 g   |   | 830 g  |  | 600 g            |  |
|                           | Shipping weight   |   | 816 g   |   | 1115 g   |  | 816 g            |  |
|                           | Colour  |   | White, Black & Grey   |   | Grey & White   |  | Grey             |  |
|                           | Form Factor   |   |   |   |  |  | Turret           |  |
| <b>Environmental</b>      | Vandal proof  |   |   |   | Yes  |  |                  |  |
|                           | Impact rating   |   |   |   | 1K10   |  |                  |  |
|                           | Environment   |   |   |   | Outdoor  |  |                  |  |
|                           | Operating temperature   |   |   |   | -30 to +60°C<br>-22 to +140°F  |  |                  |  |
|                           | Relative humidity   |   |   |   | <95% (non-condensing)  |  |                  |  |
|                           | IP rating   |   |   |   | IP67   |  |                  |  |
| <b>Regulatory</b>         | Compliance  |   |   |   | RCM, CE, FCC, REACH, RoHS, UL, WEEE  |  |                  |  |

# Technical Specifications

TruVision 4MP, 8MP

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## Dimensional Diagram



## Ordering Information

|                     |   |
|---------------------|---|
| TVGP-M01-0401-TUR-G | TruVision 4MP, H.265+, Smart IP Turret Camera, 30m IR, 2.8mm lens, grey       |
| TVGP-M01-0401-TUR-B | TruVision 4MP, H.265+, Smart IP Turret Camera, 30m IR, 2.8mm lens, black      |
| TVGP-M01-0401-TUR-W | TruVision 4MP, H.265+, Smart IP Turret Camera, 30m IR, 2.8mm lens, white      |
| TVGP-M01-0402-TUR-G | TruVision 4MP, H.265+, Smart IP Turret Camera, 40m IR, 2.8-12mm lens, grey    |
| TVGP-M01-0402-TUR-W | TruVision 4MP, H.265+, Smart IP Turret Camera, 40m IR, 2.8-12mm lens, white   |
| TVGP-M01-0801-TUR-G | TruVision 8MP/4K, H.265+, Smart IP Turret Camera, 30m IR, 2.8mm lens, grey    |
| TVGP-M01-0802-TUR-G | TruVision 8MP/4K, H.265+, Smart IP Turret Camera, 40m IR, 2.8-12mm lens, grey |



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