

TVGP-M01-0402-DOM-G

TruVision 4MP, H.265+, Smart IP Dome Camera, 40 m IR, 2.8 to 12 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)
- Motorized 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

TVGP-M01-0402-DOM-G TruVision 4MP, H.265+, Smart IP Dome Camera, 40 m IR, 2.8 to 12 mm lens, grey

Technical specifications

Technology	IP
Video standard	NTSC, PAL
Image settings	Hallway View, Mirror, ROI (Region Of Interest)
Privacy masking	Yes
Video output	BNC Composite PAL / NTSC
Software compatibility	Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, Web Browser
Camera	
Sensor size	1/3"
Max. resolution	4 MP
Sensor scan	Progressive
Sensor type	CMOS
Shutter time	1/3 to 1/100,000 s
Lighting performan	се
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: 0.005 Lux $@$ (F1.6, AGC ON), 0 Lux with IR on
Infrared (IR)	Yes
IR range	Up to 40 m
IR wavelength	850nm
Encoding	
Video streams	3
Main stream	H.264, H.265, H.265+
compression	
Sub stream compression	H.264, H.265, MJPEG
Third stream	H.264, H.265
compression	
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	Varifocal motorized
Focal length	2.8 to 12 mm, horizontal FoV 95.8° to 29.2°, vertical FoV 50.6° to 16.4°, diagonal FoV 114.6° to 33.4°
f-stop	F1.6
Auto iris	No
Auto focus	Yes

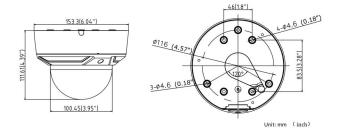
output amplitude: 3.3 Vpp, output impedance: 100 Ω Alarm I/O Alarm inputs 1 Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Alarm I/O connection Terminal block Storage Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger Alarm 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, Face detection, Intrusion detection, Line crossing detection, Motion detection	Network	
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 G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3 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 l/O 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 Video analytics Advanced motion detection, Face detection, Intrusion detection Presori/vehicle detection on motion, line cross	Network interface	
protocols HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP Audio G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3 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. input amplitude: 3.3 Vpp, output impedance: 100 Ω Alarm I/O Alarm outputs Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Terminal block Storage E Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence 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 stream Video analytics Video analytics Advanced motion detection, Face detection, Intrusion detection Intrusion detection Ine crossing detection Power consumption max. 12.5 W Physical Plos. Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 1.9 lb. Shipping weight	Integration	ONVIF Profile G, ONVIF Profile S, ONVIF Profile T
Audio compression G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3 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 Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Terminal block Storage Eccal storage type Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Motion detection Intrusion detection Person/vehicle detection on motion, line crossing and intrusion detection Power consumption max. 12.5 W Physical Mos 3.3 × 111.6 mm g61.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour		HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS,
MP3 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 outputs Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Terminal block Storage Eccal storage type Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Intrusion detection Intrusion detection Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical dimensions Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 19 lb. 19 lb. Shipping weight 1419 g 3.1 lb. 10	Audio	
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 outputs 1 (max. 12 VDC, 30 mA) Alarm l/O connection Terminal block Storage Example Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight 1419 g 3.1 lb. Colour Grey	Audio compression	
output amplitude: 3.3 Vpp, output impedance: 100 Ω Alarm I/O Alarm outputs 1 Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Terminal block Storage E Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Power consumption max. 12.5 W Physical Mess 0 g 1.9 lb. Shipping weight 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour Colour Grey	Audio in	input amplitude: 3.3 Vpp, input impedance: 4.7
Alarm inputs 1 Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Terminal block Storage Elocal storage type Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour	Audio out	
Alarm outputs 1 (max. 12 VDC, 30 mA) Alarm I/O connection Terminal block Storage Elocal storage type Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour Grey	Alarm I/O	
Alarm I/O connection Terminal block Storage Elocal 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 substream Video analytics Advanced motion detection, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Mess g 1.9 lb. Shipping weight 3.1 lb. Colour Colour Grey	Alarm inputs	1
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 substream Video analytics Advanced motion detection, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour Colour Grey	Alarm outputs	1 (max. 12 VDC, 30 mA)
Local storage type Built-in Micro SD/SDHC/SDXC card slot Max. SD card capacity 256 GB Video intelligence Alarm trigger 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, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour	Alarm I/O connection	Terminal block
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 substream Video analytics Advanced motion detection, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour	Storage	
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 substream Video analytics Advanced motion detection, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour	Local storage type	Built-in Micro SD/SDHC/SDXC card slot
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, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight Shipping weight 1419 g 3.1 lb. Colour	Max. SD card capacity	256 GB
conflict, Motion detection, Network disconnected, Video tampering ROI Support 1 fixed region for main stream and sub- stream Video analytics Advanced motion detection, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight 1419 g 3.1 lb. Colour Grey	Video intelligence	
ROI Support 1 fixed region for main stream and sub- stream Video analytics Advanced motion detection, Face detection, Intrusion detection Intelligence options Person/vehicle detection on motion, line crossing and intrusion detection Electrical 0 Operating voltage 12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 A Power consumption max. 12.5 W Physical Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight 1419 g 3.1 lb. Colour Grey	Alarm trigger	conflict, Motion detection, Network
Intrusion detection, Line crossing detection, Motion detectionIntelligence optionsPerson/vehicle detection on motion, line crossing and intrusion detectionElectricalOperating voltage12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 APower consumptionmax. 12.5 WPhysicalØ153.3 × 111.6 mm $Ø6.1 × 4.4$ in.Net weight880 g 1.9 lb.Shipping weight1419 g 3.1 lb.ColourGrey	ROI	Support 1 fixed region for main stream and sub-
and intrusion detectionElectricalOperating voltage12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 APower consumptionmax. 12.5 WPhysicalØ153.3 × 111.6 mm Ø6.1 × 4.4 in.Net weight880 g 1.9 lb.Shipping weight1419 g 3.1 lb.ColourGrey	Video analytics	Intrusion detection, Line crossing detection,
Operating voltage12 VDC, 0.88 A, PoE: (802.3af, 36 to 57 V), 0.35 to 0.22 APower consumptionmax. 12.5 WPhysicalØ153.3 \times 111.6 mm Ø6.1 \times 4.4 in.Net weight880 g 1.9 lb.Shipping weight1419 g 3.1 lb.ColourGrey	Intelligence options	Person/vehicle detection on motion, line crossing and intrusion detection
to 0.22 APower consumptionmax. 12.5 WPhysical \emptyset 153.3 × 111.6 mm \emptyset 6.1 × 4.4 in.Physical dimensions \emptyset 153.3 × 111.6 mm \emptyset 6.1 × 4.4 in.Net weight880 g 1.9 lb.Shipping weight1419 g 3.1 lb.ColourGrey	Electrical	
PhysicalPhysical dimensions $\emptyset 153.3 \times 111.6 \text{ mm}$ $\emptyset 6.1 \times 4.4 \text{ in.}$ Net weight 880 g 1.9 lb. Shipping weight 1419 g 3.1 lb. ColourGrey	Operating voltage	
Physical dimensions Ø153.3 × 111.6 mm Ø6.1 × 4.4 in. Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight 3.1 lb. Colour	Power consumption	max. 12.5 W
Ø6.1 × 4.4 in. Net weight 880 g 1.9 lb. Shipping weight 1419 g 3.1 lb. Colour Grey	Physical	
1.9 lb. Shipping weight 1419 g 3.1 lb. Colour Grey	Physical dimensions	
3.1 lb. Colour Grey	Net weight	-
	Shipping weight	-
Form Factor Dome	Colour	Grey
	Form Factor	Dome

TVGP-M01-0402-DOM-G TruVision 4MP, H.265+, Smart IP Dome Camera, 40 m IR, 2.8 to 12 mm lens, grey

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





As a company of innovation, Carrier Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.