TVGP-M01-0201-WED-G

TruVision 2MP, H.265+, Smart IP Wedge Camera, 30 m IR, 2.8 mm, grey

Overview

The TruVision M-series IP wedge 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 and 4 Megapixel, 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: 2MP (1920 x 1080)
- Person/vehicle classification
- Video intelligence: intrusion detection, cross line detection, face detection
- Up to 30 m IR illumination
- Audio & alarm I/O
- 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	Hallway View, Mirror, ROI (Region Of Interest)
Privacy masking	Yes
Software compatibility	Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, Web Browser

Camera

Sensor size	1/2.8"
Max. resolution	2 MP
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
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)
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	1920 x 1080 @ 25/30 fps

Lens

Lens type	Fixed
Focal length	2.8 mm, horizontal FoV 108.8°, vertical FoV 57.7°, diagonal FoV 129.4°
f-stop	F1.6
Auto iris	No

Network

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

Audio

Audio compression	AAC, G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3, PCM
Audio in	Built-in microphone, 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, 20 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	Advanced motion detection, Face detection, Intrusion detection, Line crossing detection, Motion detection
Intelligence options	Person/vehicle detection on motion, line crossing and intrusion detection

Electrical

Operating voltage	12 VDC, 0.45 A, PoE (802.3af, 36 to 57 V), 0.18 to 0.11 A
Power consumption	max. 6.5 W

Physical

Physical dimensions	Ø 110 mm × 57.4 mm Ø 4.3 x 2.3 in.
Net weight	380 g 0.8 lb.
Shipping weight	615 g 1.4 lb.
Colour	Grey
Material	Aluminium
Form Factor	Wedge

Environmental

Vandal proof	Yes
Impact rating	IK8
Environment	Outdoor
Operating temperature	-30 to +60°C -22 to +140°F
Relative humidity	<95% noncondensing
IP rating	IP67

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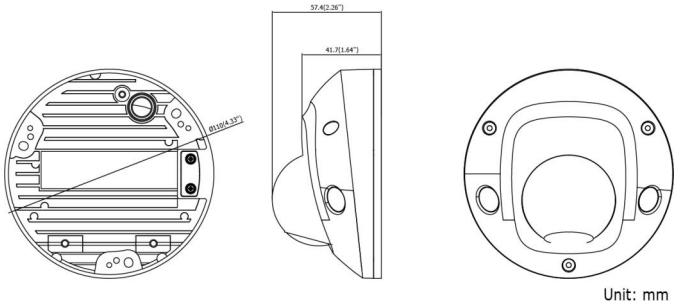
Regulatory

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-LWB-1	TruVision Dome Bracket, L-Shape, (used with dome and turret cameras)
Brackets & Mounts	TVD-LWB-S	TruVision water shield for TVD-LWB wall bracket
Brackets & Mounts	TVD-M2-WM	TruVision indoor dome wall mount
Brackets & Mounts	TVW-BB1	TruVision Wedge camera back box (used with S6 series of wedge cameras)



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