



# Full Colour

Dome IP camera



## OVERVIEW

TruVision Full Colour IP cameras offer a number of advantages over traditional IP cameras. The cameras available in 4 megapixel, capture full colour video, allowing for clearer and more accurate identification of people and objects in the field of view. This is especially useful in low light conditions, where traditional IP cameras may produce footage that is difficult to interpret due to the lack of colour.

The built-in supplemental white light available on most models, ensures that even in complete darkness, the cameras are able to capture clear and usable footage. This makes them ideal for use in a variety of settings, including outdoor areas or poorly lit indoor spaces.



Overall, this new range of TruVision Full Colour IP Surveillance cameras are a reliable and advanced choice for any surveillance system, providing high quality, full colour video footage that can aid in the identification and detection of potential threats or incidents.

## STANDARD FEATURES

- Maximum resolution: 4MP (2688 x 1520)
- 24/7 colour images
- Built-in white light up to 40 m
- Person/vehicle classification
- Video intelligence: intrusion detection, cross line detection, entry/exit
- Fixed and Varifocal lens options
- H.265+ compression
- ONVIF Profile G, S, T open standards
- Edge recording up to 256 GB SDHC card


# Technical Specifications

## Dome IP Full Colour camera

		TVFC-M01-0402-DOM-G	TVFC-M01-0403-DOM-G
			
General	Technology	IP	
	Video standard	PAL	
	Image settings	De-Fog, Hallway View, Mirror, ROI (Region Of Interest)	
	Privacy masking	Yes	
	Software compatibility	TruVision Navigator, TVRmobile, Web Browser	
	Note regarding VCA resource mode	Third stream and Hallway View are not available in Smart Event and Face Capture mode. Standard Event mode supports these features but also disables the person/vehicle classification options for certain events	
Camera	Sensor size	1/1.8"	
	Max. resolution	4 MP	
	Sensor scan	Progressive	
	Sensor type	CMOS	
	Digital S/N ratio	≥ 52 dB	
	Shutter time	1/3 to 1/100,000 s	
Lighting performance	Digital noise reduction	3D DNR	
	WDR	130 dB	
	Colour sensitivity	Colour: 0.0005 Lux @ (F1.0, AGC ON), 0 Lux with white light	
	Infrared (IR)	No	
	White light	Yes	
	White light range	Up to 30 m	Up to 40 m
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 kbps 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), 1280 x 960 (720p), 1920 x 1080 (1080p), 640 x 360 (nHD), 640 x 480 (VGA)	
Max. resolution @ fps	2688 x 1520 @ 25/30 fp		
Lens	Lens type	Fixed Lens	Varifocal Motorised
	Focal length	2.8 mm, horizontal FoV 112°, vertical FoV 61°, diagonal FoV 134°	2.8 to 12 mm, horizontal FoV 105.4 to 56.4°, vertical FoV 53.9 to 31.6°, diagonal FoV 131.8 to 65.1°
	F-stop	F1.0	
DORI	Detection	58 m	66.8 to 110.4 m
	Observation	23 m	26.5 to 43.8 m
	Recognition	11 m	13.4 to 22.1 m
	Identification	2 m	6.7 to 11 m

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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, ezDDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, RTCP, RTP, RTSP, SNMP, TCP/IP, UPnP	
Audio	Audio compression	G.711a, G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, PCM	
	Audio In	Built-in microphone and 1 input (line in), max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium	
	Audio out	1 output (line out), max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium, mono sound	
	Audio bit rate	64 Kbps (G.711ulaw/G.711alaw)/16 Kbps (G.722.1)/16 Kbps (G.726)/32 to 192 Kbps (MP2L2)/8 to 320 Kbps	
Audio I/O	Alarm inputs	1	
	Alarm outputs	1 output (max. 12 VDC, 30 mA)	1 output (max. 24 VDC/24 VAC, 1 A)
Storage	Local storage type	Built-in memory card slot, support microSD/SDHC/SDXC card	
	Max. SD card capacity	256 GB	
Voice Intelligence	Alarm trigger	HDD error, HDD full, Invalid login, IP address conflict, Motion detection, Network disconnected, Video tampering	
	Smart event	Advanced motion detection, Face capture, Intrusion detection, Line crossing detection, Motion detection, Region entrance detection, Region exiting detection, Scene change detection	
	Intelligence options	Person/vehicle detection on motion, line crossing, intrusion detection and entry/exit detection only (when VCA resource mode Smart Event is enabled)	
Electrical	Operating voltage	12 VDC, 0.4 A, max. 5 W PoE (802.3af, 36 V to 57 V), 0.20 A to 0.15 A, max. 6.5 W	12 VDC ± 25%, 0.9 A, max. 10.8 W, Ø 5.5 mm coaxial power plug, reverse polarity protection, PoE: 802.3af, Class 3, 36 V to 57V, 0.36 A to 0.23 A, max. 12.9 W
	Power consumption	max. 6.5 W	max. 12.9 W
Physical	Physical dimensions	Ø121.4 × 100.1 mm	Ø 155 × 152 mm
	Net weight	580 g	. 1600 g
	Colour	Grey (Pantone 428c)	
	Material	Aluminum	
	Form Factor	Dome	
Environmental	Operating temperature	-30 to +60°C	
	Relative humidity	<95% (non-condensing)	
	IP rating	IP67	
Regulatory	Compliance	CE, EMC, FCC, RCM, REACH, RoHS 3, UKCA, UL, WEEE	

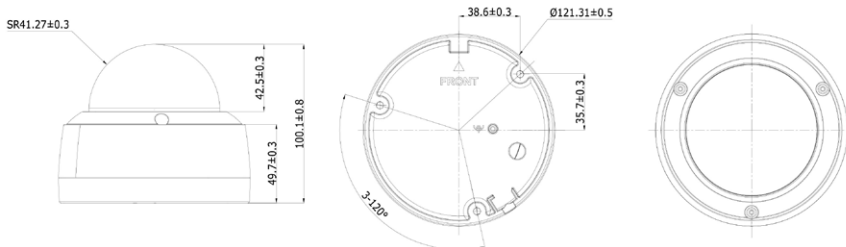
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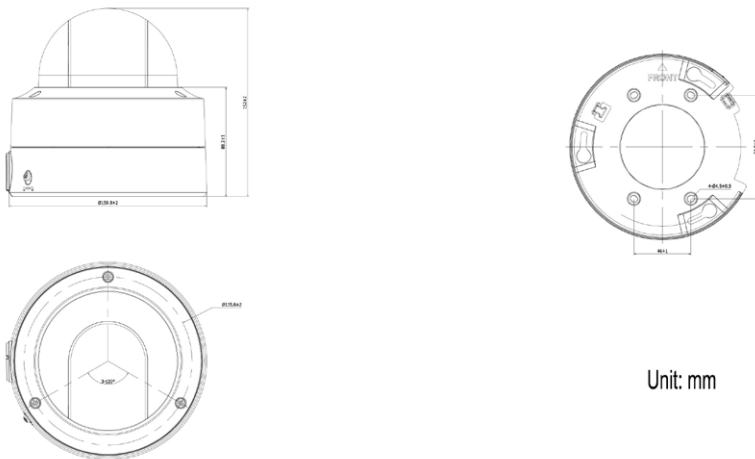
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## Dimensional Diagram

TVFC-M01-0402-DOM-G



TVFC-M01-0403-DOM-G



## Ordering Information

<b>TVFC-M01-0402-DOM-G</b>	TruVision 4 MP Full colour IP 2.8 mm lens Dome Camera, 30 m white light, mic, audio I/O
<b>TVFC-M01-0403-DOM-G</b>	TruVision 4 MP Full colour IP 2.8-12 mm lens Dome Camera, 40 m white light

## Compatible accessories

<b>TVW-BB1</b>	TruVision Wedge camera back box
<b>TVD-CB10</b>	TruVision cup base for M series Full Colour IP fixed lens dome camera
<b>TVD-CBW</b>	TruVision Dome Cup Base Wall Mount (also cup base needed)
<b>TVD-SNB</b>	TruVision Dome Swan-Neck Bracket (also cup base needed)
<b>TVD-PPB</b>	TruVision Dome Pendant-Mount Bracket (also cup base needed)
<b>TVD-CB7</b>	TruVision Cup Base (6 inch) for dome cameras



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