

# 360° IP camera

## 6 MPx and 12 MPx options



### OVERVIEW

Ideally suited for a variety of applications, the TruVision 360° network dome cameras provide high-quality image capture that delivers a complete view of indoor or outdoor areas for exceptional security coverage. The 6 and 12MPx indoor and outdoor models are very effective for applications where wide areas need to be covered, such as intersecting corridors, parking garages, counters and warehouses. The cameras can also be used in a wall-mount configuration to capture panoramic scenes. With an IR range of up to 15 m, they can also be used in low-light environments and for 24/7 exterior surveillance. Extra accessories are available for pendant and wall mount installation.

### ImmerVision lens

The ImmerVision panomorph lens is superior to traditional panoramic lenses. It beats traditional wide-angle technology in performance and video coverage and allows users to navigate within the panoramic camera image without distortion. Panomorph technology is the most effective way to achieve more coverage, better image quality and compatibility.

### Smart retail analytics: Heat map and Intersection analysis

The embedded Heat Map and Intersection Analysis help retail owners to better understand the customer journey. It shows how customers move, how much time they spend in different zones and their in-store behaviour. This valuable data, which can also be exported or emailed periodically, gives an overview of the busiest and least busy times of day allowing retailers to optimize and allocate staff accordingly.

### STANDARD FEATURES

- 6 MPx and 12 MPx 1/8" progressive scan CMOS
- H.265 compression
- 360-degree ImmerVision panomorph lens
- 180 and 360° panoramic views
- Heat map and Intersection analysis
- Multiple fisheye + ePTZ combined viewing modes
- Up to 15 m IR range
- 2-way audio, built-in mic and speaker
- Built-in SD/SDHC card slot
- Ceiling, wall and desk mount options

# SPECIFICATIONS

		TVF-5203	TVF-5204	
General	Technology	IP		
	Video Standard	PAL		
	OSD	Picture Overlay		
Camera	Sensor size	1/1.8"		
	Max. resolution	6 MPX	12 MPX	
	Sensor scan	Progressive		
	Sensor type	CMOS		
	Shutter time	1 to 1/100,000 s		
Lighting Performance	WDR type	Digital WDR		
	WDR	120 dB		
	Digital noise reduction	3D DNR		
	Day/night	True Day/Night		
	Motorized IR cut filter	Yes		
	Color sensitivity	0.01 Lux @ (F1.2, AGC ON)		
	B/W sensitivity	0.001 Lux @ (F1.2, AGC ON), 0 Lux with IR		
	Infrared (IR)	Yes		
	IR range	15 m - 3 LEDs, each individually controllable		
Encoding	IR wavelength	850 nm		
	Main stream compression	H.264, H.265		
	Sub stream compression	H.264, H.265, MJPEG		
	Video bit rate	32 to 16 Mbps		
	Main stream resolutions	1280 x 1280, 2048 x 2048, 3072 x 2048	2560 x 2560, 3000 x 3000, 4000 x 3000	
	Sub stream resolutions	720 x 720		
	Max. resolution @ fps	3072 x 2048 @ 25/30 fps	4000 x 3000 @ 20 fps	
Lens	Lens type	1.29 mm ImmerVision panomorph lens		
	f-stop	2.2		
	FoV	Horizontal FoV 180° (wall mount) / 360° (ceiling/table mount)		
Network	Network interface	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface		
	Integration	CGI, ISAPI, ONVIF Profile G, ONVIF Profile S, ONVIF Profile T, PSIA		
	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, UDP, UPnP		
	Simultaneous live view	Up to 20 channels		
Audio	Audio compression	G.711, G.722.1, G.726, MP2L2, PCM		
	Audio in	Built-in microphone + 1 line in 3.5 mm		
	Audio out	Built-in speaker + 1 line out 3.5 mm		
	Audio bit rate	16 to 160 Kbps depending on audio compression type		
Alarm I/O	Alarm inputs	1		
	Alarm outputs	1 (max. 24 VDC, 1A)		
Storage	Local storage type	Built-in micro SD/SDHC/SDXC slot		
	Max. storage capacity	256 GB		

Video intelligence	Alarm trigger	Motion detection, Video tampering
	ROI	4 fixed regions for main stream
	Video analytics	Audio exception detection, Heat map, Intersection analysis, Intrusion detection, Line crossing detection, Object removal detection, People counting, Region entrance detection, Region exiting detection, Unattended baggage detection
	Intersection analysis	Detect and analyze flow in an intersection-like scene, and generate reports. Support one intersection with max. 10 ways.
Electrical	Heat map	A graphic description of visits (calculated by number of people or dwell time) in a configured area. Space heat map and time heat map line chart can be generated.
	Operating voltage	12 VDC ±20% PoE+ (802.3 at, class 4)
Physical	Power consumption	12 VDC, 1 A, max. 15 W PoE + (802.3at, 42.5 to 57 V), 0.3 A to 0.4 A
	Physical dimensions	164 x 152.8 x 43.8 mm
	Net weight	1400 g
	Colour	Grey (Pantone 428c)
Environmental	Form factor	360 Degrees
	Impact rating	IK10
	Environment	Outdoor
	Operating temperature	-40 to +60°C
	Relative humidity	≤95% noncondensing
	IP rating	IP67
Regulatory	Compliance	C-tick, CE, FCC, REACH, RoHS, UL, WEEE
Viewing modes	Nbr. of display modes	16
	Software decoding	Ceiling mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3 PTZ, 360 panorama + 6 PTZ, 360 panorama + 8 PTZ, 2 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ, half sphere
		Wall mount: fisheye view, panorama view, panorama + 3PTZ, panorama + 8 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ
	Hardware decoding	Table mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3 PTZ, 360 panorama + 6 PTZ, 360 panorama + 8 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ
Ceiling mount: fisheye view, 180 panorama view, panorama view, 4 PTZ, fisheye + 3 PTZ		
		Wall mount: fisheye view, 180 panorama view, panorama view, 4 PTZ, fisheye + 3 PTZ
		Table mount: fisheye view, 180 panorama view, panorama view, 4 PTZ, fisheye + 3 PTZ

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## Ordering Information

TVF-5203	TruVision 360° IP camera, 6 MPx, outdoor, 15m IR, 360° fisheye lens
TVF-5204	TruVision 360° IP camera, 12 MPx, outdoor, 15m IR, 360° fisheye lens
<b>Accessories</b>	
TVF-BBM	TruVision 360 degree camera round back box, conduit ports, gang box compatible, metal, indoor & outdoor
TVF-CBM	TruVision 360 degree camera cup base (use with TVD-PPB for pendant mount or TVD-SNB for wall mount)
TVF-WBM	TruVision 360 degree Camera round angled back box, conduit ports, gang box compatible, metal, indoor & outdoor

Specifications subject to change without notice.

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