TVPA-S01-0601-360-G

TruVision 360° IP camera, 6MP, indoor, 15 m IR, 360° fisheye lens

Product overview

Ideally suited for a variety of applications, the TruVision 360º 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 12 MP 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.

Details

- 6 MPx 1/8" progressive scan CMOS
- H.265 compression
- 360° 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

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Technical specifications

General

Technology	IP
Video standard	NTSC, PAL
OSD	Picture Overlay

Camera

Sensor size	1/1.8"
Max. resolution	6 MP
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
IR wavelength	850 nm

Encoding

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
Sub stream resolutions	720 x 720
Max. resolution @ fps	3072 x 2048 @ 25/30 fps

Lens

Lens type	1.29 mm ImmerVision panomorph lens
Focal length	Horizontal FoV 180° (wall mount) / 360° (ceiling/table mount)
f-stop	2.2

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. SD card capacity	256 GB

Video intelligence

Alarm trigger	Motion detection, Video tampering
ROI	4 fixed regions for main stream
Smart event	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.
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.

Electrical

Operating voltage	12 VDC ±20% PoE+ (802.3 at, class 4)
Power consumption	12 VDC, 1 A, max. 15 W PoE + (802.3at, 42.5 to 57 V), 0.3 to 0.4 A

Physical

Physical dimensions	164 x 152.8 x 43.8 mm 6.46 x 6.02 x 1.72 in.
Net weight	1400 g 3.09 lbs
Colour	Grey (Pantone 428c)
Form Factor	360 Degrees

Environmental

Environment	Indoor
Operating temperature	-40 to +60°C 40 to +140°F
Relative humidity	≤95% noncondensing

Regulatory

Compliancy	C-tick, CE, FCC, REACH, RoHS, UL, WEEE

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Viewing modes

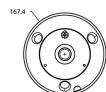|	
Nbr. of display modes	16
Software decoding	Ceiling mount: fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3 PTZ, 360 panorama + 6 PTZ, 360 panorama + 8 PTZ, 2 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ, half sphere
	Wall mount: fisheye view, panorama view, panorama + 3PTZ, panorama + 8 PTZ, 4 PTZ, fisheye + 3 PTZ, fisheye + 8 PTZ
	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
Hardware decoding	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

Compatible products

Category	Reference	Description
Brackets & Mounts	TVF-BBM	TruVision™ 360° Camera Round Back Box, Conduit Ports, Gang Box Compatible, Metal, Indoor & Outdoor
Brackets & Mounts	TVF-CBM	TruVision™ 360° Camera Cup Base (use with TVD-PPB for pendant mount or TVD-SNB for wall mount)
Brackets & Mounts	TVF-WBM	TruVision™ 360° Camera Round Angled Back Box, Conduit Ports, Gang Box Compatible, Indoor or Outdoor

Outdoor

Indoor