

DATASHEET

TVPA-S02-1201-360-G

TruVision 360° IP camera

MAIN FEATURES

- TruVision 360° IP camera
- 12MP
- 15m IR
- audio
- 360° fisheye lens
- PoE-af
- IK10
- IP67

TECHNICAL SPECIFICATIONS

Power supply

Operating voltage	12 VDC $\pm$ 20%PoE IEEE 802.3af, Class 3
Power consumption	12 VDC: 1 A, max. 11.5 WPoE: max. 12.5 W

Inputs / outputs

Alarm inputs	2
Alarm outputs	2 (max. 24 VDC, 1A)

Physical characteristics

Sensor size	1/1.8"
Color sensitivity	0.03 Lux @ (F2.2, AGC ON)
Physical dimensions	Ø 140.3 × 59.4 mmØ 5.5 × 2.3 in.
Net weight	Approx. 715 gApprox. 1.58 lbs
Shipping weight	Approx. 1206 gApprox. 2.66 lb.
Colour	Grey (Pantone 428c)

Environmental characteristics

Environment	Outdoor
Operating temperature	-40 to +60°C40 to +140°F
Relative humidity	≤95% noncondensing
IP rating	IP67

Other characteristics

Technology	IP
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TECHNICAL SPECIFICATIONS

Video standard	NTSC, PAL
OSD	Picture Overlay, Text Overlay
Privacy masking	8 configurable masking zones
Software compatibility	Advisor Advanced Pro mobile app., Advisor Management Software (ATS8600), TruVision Navigator, TVRmobile, Web Browser
Max. resolution	12 MP
Sensor scan	Progressive
Sensor type	CMOS
Shutter time	1 to 1/100,000 s
WDR type	Digital WDR
Digital noise reduction	3D DNR
Day/night	True Day/Night
Motorized IR cut filter	Yes
B/W sensitivity	0.006 Lux @ (F2.2, AGC ON), 0 Lux with IR on
Infrared (IR)	Yes
IR range	Up to 15 m
IR wavelength	850 nm
Main stream compression	H.264, H.264+, H.265, H.265+
Sub stream compression	H.264, H.265, MJPEG
Video bit rate	32 to 16 Mbps
Max. resolution @ fps	3504 × 3504 @ 25/30 fps
Lens type	ImmerVision panomorph lens
Focal length	1.29 mm, horizontal FoV 180°, vertical FoV 180°
f-stop	2.2
Detection	27.9 m
Observation	11.1 m
Recognition	5.6 m
Identification	2.8 m
Network interface	RJ-45 10/100/1000 Mbps self-adaptive Ethernet interface
Integration	CGI, ISAPI, ONVIF Profile G, ONVIF Profile S, ONVIF Profile T
Supported network protocols	802.1x, Bonjour, DDNS, DHCP, DNS, DynDNS, ezDDNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, SSL/TLS, TCP/IP, UDP, UPnP
Simultaneous live view	Up to 20 channels
Audio compression	AAC, G.711, G.711alaw, G.722.1, G.726, MP2L2, MP3, PCM
Audio in	4 built-in microphones and 1 input (line in), 3.5 mm connector, max. input amplitude: 3.3 Vpp, input impedance: 4.7 KΩ, interface type: non-equilibrium

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Audio out	Built-in speaker and 1 output (line out), 3.5 mm connector, max. output amplitude: 3.3 Vpp, output impedance: 100 Ω, interface type: non-equilibrium
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 (MP3), 16 to 64 Kbps (AAC-LC)
Local storage type	Built-in micro SD/SDHC/SDXC slot
Max. SD card capacity	Built-in memory card slot, supporting microSD/microSDHC/microSDXC card up to 256 GB
ROI	4 regions for each stream
Smart event	Audio exception detection, Heat map, Intersection analysis, Intrusion detection, Line crossing detection, Motion detection, Object removal detection, People counting, Region entrance detection, Region exiting detection, Scene change 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 graphical representation of visits (by calculating amount of people or amount of dwell time) in a configured area. Two report types, space heat map and time heat map line chart are supported.
Queue management	Supports up to 8 detection regions, and independent arming schedule and linkage method. Supports 2 detection modes: regional people queuing-up, waiting time detection. Generates reports to compare the efficiency of different queuing-ups and display the changing status of one queue. Supports real-time data uploading and scheduled data uploading. Regional people queuing-up: 4 alarm trigger conditions, including greater than threshold, less than threshold, equal to threshold, not equal to threshold. Waiting time detection: 1 alarm trigger condition, including greater than threshold.
Form Factor	360 Degrees
Impact rating	IK10
Internal heater	Yes
Compliance	C-tick, CE, REACH, RoHS, WEEE
Nbr. of display modes	20
Software decoding	Fisheye view, 180 panorama view, 360 panorama view, 360 panorama + PTZ, 360 panorama + 3PTZ, 360 panorama + 6PTZ, 360 panorama + 8PTZ, 2PTZ, 4PTZ, fisheye + 3PTZ, fisheye + 8PTZ, hemisphere, AR hemisphere, cylinder.
Hardware decoding	Fisheye view, 180 panorama view, 180 dual channel panorama, panorama view, 4PTZ, fisheye + 3PTZ, 4PTZ fusion
Category	Reference
Brackets & Mounts	TVPA-BB-01