

TVP-5103

TruVision Compact 3 MPX IP PTZ camera, Outdoor, Pendant/Wall/Flush Mount, True D/N, WDR, IR Cut, 50m IR, H.265, H.264, ONVIF/PSIA, 20X Optical zoom, SDHC Card slot,

Overview

The TVP-5103 compact PTZ is a compact size pan tilt zoom camera for use in both indoor and outdoor installations. The camera's 3 megapixel resolution combined with excellent low light capabilities ensures you capture the required level of detail at all times.

The camera is fully programmable, with up to 300 presets along with 8 patrol tours (32 presets per tour).

A 8-zone privacy mask feature allows these cameras to block out sensitive areas. In addition, the variety of intelligence features and analytics adds substantial value and enhanced performance to any video system.

Technology

The camera features H.265 compression to optimize its bandwidth and storage requirements. At the same time, H.264 support ensures the camera can easily be connected to legacy installations where needed. Onvif, PSIA and CGI command sets ensure that this camera can also be easily connected to virtually any video surveillance system.



Details

- 3 MPX resolution for optimal details
- H.265 compression
- Compact design for discreet indoor & outdoor installation
- 20x optical zoom factor, 16x digital zoom
- Built-in IR illumination, up to 50 m
- Operates in wide temperature range from -30 to +65°C
- Intelligent video analytics
- Fits range of TruVision PTZ accessories, including wall, flush and pendant mount
- Compatible with optional mounting brackets: TVP-CCBWM compact cup base wall mount, TVP-CFM compact flush mount, TVP-CBB compact back box

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Technical specifications

Camera

Sensor size	1/2.8"
Max. resolution	3 MPX
Sensor scan	Progressive
Sensor type	CMOS
Effective pixels (H x V)	2048 x 1536
Digital S/N ratio	≥50dB (AGC off)
Shutter time	50Hz: 1 to 1/30,000s; 60Hz: 1 to 1/30,000s

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	0.05 lux @ f1.6, AGC on
B/W sensitivity	0.01 lux
Infrared (IR)	Yes
IR range	50 m automatically adjusted depending on zoom ratio
IR wavelength	850 nm

Encoding

Video streams	3
Main stream compression	H.264, H.265
Sub stream compression	H.264, H.265, MJPEG
Main stream resolutions	1280 x 720 (XVGA), 2048 x 1536 (QXGA), 1920 x 1080 (1080p), 1280 x 960 (720p)
Sub stream resolutions	1024 x 768 (XGA), 352 x 288 (CIF), 640 x 480 (VGA), 704 x 576 (4CIF)
Max. resolution @ fps	2048 x 1536 (30fps / 25fps)

Lens

Lens type	Varifocal
Focal length	4.7 to 94.0 mm
f-stop	f1.6 to f3.5
Auto iris	Yes
Auto focus	Yes

Pan/tilt/zoom

Pan	360° endless
Tilt	From -5° to 90°
Endless pan	Yes
Auto flip	Yes
Optical zoom	20X
Digital zoom	16X
Preset positions	300
Preset tours	8 tours, 32 presets per tour
Shadow tours	4 shadow tours, 10 minutes per tour

Network

Supported video standards	CGI, ISAPI, ONVIF Profile G, ONVIF Profile S, PSIA standards
Supported network protocols	802.1x, DDNS, DHCP, DNS, ezDDNS, FTP, HTTP, HTTPS, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTP, RTSP, SMTP, SNMP, TCP, TCP/IP, UDP, UPnP

Audio

Audio compression	G.711A, G.711U, G.722, G.726, MP2L2
Audio in	1 Mic in / Line in interface, line input: 2-2.4V[p-p]; output impedance: 1KΩ, ±10%
Audio out	1 Audio output interface, line level, impedance: 600Ω

Alarm I/O

Alarm inputs	2
Alarm outputs	2

Storage

Local storage type	Micro SD/SDHC/SDXC
Max. storage capacity	up to 128 GB

Video intelligence

Alarm trigger	Motion detection, Privacy Masking, Video tampering
Video analytics	Audio exception detection, Face detection, Intelligent tracking, Intrusion detection, Line crossing detection, Region entrance detection, Region exiting detection
Intelligent tracking	Yes

General

Video standard	NTSC, PAL
Privacy masking	8 privacy masks programmable; optional multiple colors and mosaics

Electrical

Operating voltage	12 VDC, power supply included PoE+ Power/line cord is not included
Power consumption	18 W
Current consumption	Max. 2.3 A

Physical

Physical dimensions	169 x 161 mm 6.65 x 6.34 in.
Net weight	2.45 kg 5.40 lbs.
Colour	Grey (Pantone 428c)
Form Factor	Dome, PTZ

Environmental

Operating temperature	-30 to 65 °C -22 to 149 °F
Relative humidity	≤ 90% noncondensing
Environment	Indoor / Outdoor
IP rating	IP66

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Regulatory

Compliance	CE, FCC, REACH, RoHS, UL, WEEE
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