

TVP-1102

TruVision 1.3 MPX, PAL, Pan/Tilt/Zoom Dome Surface Mount Indoor, CMOS, True D/N, DWDR, Motorized IR Cut Filter, H.264, ONVIF/PSIA, 20X optical zoom, SDHC card slot, PoE+/24Vac

Overview

TruVision IP HD 1.3 MPX PTZ gives you a full-functional dome that allows you to enjoy all the benefits of a PTZ solution in high definition.

PTZ technology

This series of H.264 PTZ solutions makes use of the latest available technology that allows the dome to be installed in a wide range of applications and environmental conditions. They are available with IP66-rated standard outdoor pendant housings as well as flush and surface-mount indoor housings.

This latest PTZ solution is equipped with high quality progressive scan imaging technology.

Compression & streaming

The TruVision HD IP PTZ camera uses H.264 compression technology with dual-streaming capability, making it easy to manage the camera's bandwidth usage. Fully designed to adhere to the ONVIF and PSIA open communication standards as well as supporting a CGI command set, the camera allows for simple integration into any IP system. Video streams can be set up for high or low bandwidth, and images can be streamed for live viewing or sent to a designated recording location.

Additional Features

ROI - This feature helps you to optimize image bandwidth and storage. You can select an important area of detail or ROI (Region of interest) in a stream, such as a number plate or face. The ROI area will have a higher quality image and the non-ROI areas will have a lower image quality thereby saving bandwidth

Intelligent tracking - This is used to track a moving object or person in a selected region.



Details

- 1/3" Progressive Scan CMOS
- 1.3 MPX HD sensor
- HD 960p Real-Time
- H.264 Advanced compression technology
- ONVIF/PSIA/CGI compliant
- Models include 7 alarm inputs and 2 relay output
- 256 preset positions, 8 preset tours and 4 shadow tours
- 360° endless rotation
- 540°/s Pan Preset Speed and 400°/s Tilt Preset Speed
- Auto-flip image
- Intelligent tracking
- ROI encoding of a selected area in the image
- Built-in SDHC card slot
- For Surface Mount
- EIS (Electronic Image Stabilization)

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Technical specifications

General

Technology	IP
Video standard	PAL
Privacy masking	24

Camera

Sensor size	1/3"
Max. resolution	1.3 MP
Sensor scan	Progressive
Sensor type	CMOS
Total Pixels (H x V)	1280 x 960
Digital S/N ratio	50 dB
Shutter time	1/25 to 1/100.000 s, electronic
IP Compression/Standard	Main stream: H.264, Sub stream: H.264/MJPEG
Available Resolutions	Main stream: 1280 x 960, 1280 x 720, Sub stream: 704 x 576, 352 x 288, 176 x 144
Maximum Resolution (@ 1280 x 960 @ 25 fps FPS)	
Maximum Real Time Resolution	1280 x 960
HD 720p	Yes
Composite Output (BNC)	Yes, 1 BNC

Lighting performance

WDR type	Digital WDR
Digital noise reduction	3D DNR
Day/night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	0.02 lux @ F1.4, 1/1s, AGC ON
B/W sensitivity	0.002 lux @ F1.4, 1/1s, AGC ON
B/W trigger	1 lux
Infrared (IR)	No

Encoding

Main stream compression	H.264
Sub stream compression	H.264, MJPEG
Main stream resolutions	1280 x 720 (XVGA), 1280 x 960 (720p)
Sub stream resolutions	176 x 144 (QCIF), 352 x 288 (CIF), 704 x 576 (4CIF)
Max. resolution @ fps	1280 x 960 @ 25 fps

Lens

Lens type	Varifocal motorized
Focal length	4.3 to 86 mm
f-stop	1.4 to 2.6
Auto iris	Yes
Auto focus	Yes
Motorized zoom	Yes

Pan/ tilt / zoom

Pan	Manual Speed: 0.1° -300°/s, Preset Speed: 540°/s
Tilt	Manual Speed: 0.1°-240°/s, Preset Speed: 400°/s
Endless pan	360° endless
Auto flip	Yes
Optical zoom	20x
Digital zoom	16x
Preset positions	256

Network

Integration	CGI, ONVIF, PSIA
Supported network protocols	802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, QoS, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP
ONVIF	2.2
PSIA	1.1

Audio

Audio compression	G.711, G.726
Audio in	Two-way, no built-in microphone
Audio out	Two-way

Alarm I/O

Alarm inputs	7
Alarm outputs	2

Storage

Local storage support	Yes
Local storage type	Built-in SD/SDHC Slot
Max. SD card capacity	64 GB

Video intelligence

Alarm trigger	Motion detection
Intelligent tracking	No

Electrical

Power supply type	24 VAC
Power supply value	No PSU included
Power consumption	PoE+: max. 25 W, 24 VAC: max. 25 W
Current consumption	PoE+: max. 0.5 A, 24 VAC: max. 1 A

Physical

Physical dimensions	Ø 180 x 240 mm, Ø 7.08 x 9.45 in
Net weight	2.5 kg, 5.5 lb.
Form Factor	PTZ
Mount	Ceiling mount

Environmental

Vandal proof	Yes
Impact rating	IK10
Environment	Indoor
Operating temperature	-10 to 50°C, 14°F to 122°F
Cold start temperature	PoE+: -10°C, 24 VAC: -10°C
IP rating	IP54

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Regulatory

Compliance	C-tick, CE, FCC, REACH, RoHS, UL, WEEE
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Power consumption

PoE	PoE+(802.3at)
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Compatible products

Category	Reference	Description
Power Supplies	ATD-6814-PSU	Power supply unit for dome cameras and fixed cameras, 24 VAC, 4 Amps



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