

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

Camera

Sensor size	1/3"
Max. resolution	1.3 MPX
Sensor scan	Progressive
Sensor type	CMOS
Total Pixels (H x V)	1280 X 960
Digital S/N ratio	50 dB
Shutter time	1/25s to 1/100.000s
Sensor Size:	1/3"
SD / MPX:	1.3 MPX
Sensor scan:	Progressive Scan
Sensor type:	CMOS
IP	Main stream: H.264
Compression/Standard:	Sub stream: H.264/MJPEG
Available Resolutions:	Main stream: 1280x960,1280x720 Sub stream: 704x576,352x288,176x144
Maximum Resolution (@ FPS):	1280x960 @25 fps
Maximum Real Time Resolution:	1280x960
HD 720p:	Yes
Composite Output (BNC):	Yes, 1 BNC
Digital S/N ratio:	≥ 50dB
Electronic shutter:	1/25s to 1/100.000s
Certification:	UL, CE, FCC, C-tick, REACH, RoHS, HALT, WEEE

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
Wide Dynamic Range:	DWDR
WDR in dB:	NA
Digital noise reduction:	3D DNR
Day/Night:	True Day/Night
Motorized IR Cut Filter:	Yes
Color sensitivity:	0.02 lux @ F1.6, 1/1s, AGC ON
B/W sensitivity:	0.002 lux @ F1.6, 1/1s, AGC ON
B/W trigger:	1lux

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	1280x960 @25 fps

Lens

Focal length	4.3-86.0mm
f-stop	1.4 - 2.6
Auto iris	Yes
Auto focus	Yes
Focal length:	4.3-86.0mm
F-stop:	F1.6-F2.8
Autoiris:	Yes
Varifocal:	Yes
Zoom lens:	20x
Autofocus:	Yes

Pan/tilt/zoom

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

Network

Supported video standards	CGI, ONVIF, PSIA
ONVIF:	2.2
PSIA:	1.1
CGI:	Yes
Network Protocols:	TCP/IP, HTTP, DHCP, DNS, DDNS, RTP, RTSP, PPPoE, SMTP, NTP, UPnP, SNMP, HTTPS, FTP, 802.1x, Qos, IPv4/IPv6

Audio

Audio compression	G.711, G.726
Audio in	No
Audio out	2-way audio
Audio:	2-way Audio
Built-in microphone:	No
Audio compression:	G.711/G.726

Alarm I/O

Alarm inputs	7
Alarm outputs	2

Storage

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

Video intelligence

Alarm trigger	Motion detection
Intelligent tracking	No

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General

Technology	IP
Video standard	PAL

Electrical

Operating voltage	24VAC
Power consumption	PoE+: Max. 25 W 24VAC: Max. 25 W
Current consumption	PoE+: Max. 0.5A 24VAC: Max. 1A

Physical

Physical dimensions	180 x 240 mm
Net weight	2.5 kg
Form Factor	PTZ

Environmental

Vandal proof	Yes
Operating temperature	-10 to 50 °C
Cold start temperature	PoE+: -10°C 24 VAC: -10°C
Environment	Indoor
IP rating	54

Regulatory

Compliance	C-tick, CE, FCC, REACH, RoHS, UL, WEEE
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Housing

Camera type:	Surface mount
IP rating:	IP54
Outdoor:	No
Vandal-Resistant	comes with (IK10) vandal proof bubble:

PTZ

Pan:	Pan Manual Speed: 0.1° -300°/s, Pan Preset Speed: 540°/s
Tilt:	Tilt Manual Speed: 0.1°-240°/s, Tilt Preset Speed: 400°/s
Endless Pan:	360°endless
Auto-flip:	Auto Flip
Optical zoom:	20X
Digital zoom:	16X
Presets:	256

Power consumption

PSU included:	No
Voltage Input:	24VAC
Current:	PoE+: Max. 0.5A 24VAC: Max. 1A
Power Consumption:	PoE+: Max. 25 W 24VAC: Max. 25 W
PoE:	PoE+(802.3at)

Local Storage

Media:	Built-in SD/SDHC Slot
Capacity:	up to 32GB

Camera Analytics

Motion Detection:	Yes
Privacy Masking:	24

Alarm

Alarm Input:	7
Alarm Output:	2

Mechanical/ Environmental

Dimensions:	Ø 180 × 240 mm (Ø 7.08 × 9.45in)
Weight:	2.5 kg (5.5lb.)
Operating Temperature:	-10 to 50°C (14°F to 122°F)
Cold start Temperature:	PoE+: -10°C 24VAC: -10°C

Accessories

Brackets:	No
Power Supplies:	ATD-6814-PSU

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