

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

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|-----------------------|-----------------------|
| 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 |
|------------|--|

Power consumption

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|-----|---------------|
| PoE | PoE+(802.3at) |
|-----|---------------|

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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