

TVP-1101

TruVision 1.3 MPX, PAL, Pan/Tilt/Zoom Dome Pendant Outdoor, 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 pendant mount
- Bracket is not included
- IP66 rated
- Compatible with GEA and UVP accessories
- 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 (dB) | 50 dB |
| Electronic Shutter | 1/25s to 1/100.000s |
| Sensor Size: | 1/3" |
| SD / MPX: | 1.3 MPX |
| Sensor scan: | Progressive Scan |
| Sensor type: | CMOS |
| IP Compression/Standard: | Main stream: H.264 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

| | |
|--------------------------|--------------------------------|
| Wide dynamic range (WDR) | 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 @ F1.4, 1/1s, AGC ON |
| B/W sensitivity: | 0.002 lux @ F1.4, 1/1s, AGC ON |
| B/W trigger: | 1lux |

Encoding

| | |
|-----------------------------------|---|
| Video Compression Main Stream | H.264 |
| Video Compression Sub Stream | H.264, M-JPEG |
| Main Stream Supported Resolutions | 1280 x 720 (XVGA), 1280 x 960 (720p) |
| Sub Stream Supported 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: | F1.4 - F2.6 |
| 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 |

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Video intelligence

| | |
|-----------------------|--------|
| Basic Alarm Detection | Motion |
| Intelligent Tracking | Yes |

General

| | |
|----------------|-----|
| Technology | IP |
| Video Standard | PAL |

Electrical

| | |
|---------------------|-------------------------------------|
| Operating voltage | 24 VAC |
| Power consumption | PoE+: Max. 25 W 24VAC: Max. 65 W |
| Current consumption | PoE+: Max. 0.5A 24VAC: Max. 2.7A |

Physical

| | |
|---------------------|--------------|
| Physical dimensions | 220 x 266 mm |
| Net weight | 3.5 kg |
| Form Factor | PTZ |
| Rugged | IK10 |

Environmental

| | |
|------------------------|---|
| Operating temperature | PoE+: -30 to +65°C 24VAC: -40 to +65°C |
| Cold Start Temperature | PoE+: -30°C 24VAC: -40°C |
| Environment | Outdoor |
| IP-rating | 66 |

Standards & regulation

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

Housing

| | |
|------------------|--|
| Camera type: | Pendant mount |
| IP rating: | IP66 |
| Outdoor: | Yes |
| 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. 2.7A |
| Power Consumption: | PoE+: Max. 25 W 24VAC: Max. 65 W |
| PoE: | PoE+(802.3at) |

Local Storage

| | |
|-----------|-----------------------|
| Media: | Built-in SD/SDHC Slot |
| Capacity: | up to 64GB |

Camera Analytics

| | |
|----------------------|-----|
| Intelligent tracking | Yes |
| Motion Detection: | Yes |
| Privacy Masking: | 24 |

Alarm

| | |
|---------------|---|
| Alarm Input: | 7 |
| Alarm Output: | 2 |

Mechanical/ Environmental

| | |
|-------------------------|--------------------------------------|
| Dimensions: | Ø 220 × 266 mm (Ø 8.66 ×10.5 in) |
| Weight: | 3.5 kg (7.7lb.) |
| Operating Temperature: | PoE+: -30 to +65°C 24VAC: -40°C~65°C |
| Cold start Temperature: | PoE+: -30°C 24VAC: -40°C |

Accessories

| | |
|-----------------|--------------|
| Brackets: | GEA, UVP |
| Power Supplies: | ATD-6814-PSU |

