

# TVC-1201

TruVision IP Box Camera, 1.3MPX, PAL, WDR, true D/N, Auto Back Focus,

## Overview

The TruVision IP Megapixel Open Standards box cameras bring state-of-the-art, high-definition pictures to the mass video surveillance market. With camera resolutions of 1.3 or 3 megapixel, these IP cameras represent a flexible video surveillance device to meet any need. Equipped with advanced technology and signal processing capability, they effectively capture video under challenging conditions. These cameras provide an ideal surveillance for environments such as retail, banking, airports or gaming where detailed image capture is critical for effectively monitoring people and transactions.

## Compression & streaming

TruVision cameras utilize H.264 compression technology with triple-streaming capability, making it easy to manage the camera's bandwidth usage. These cameras were designed to adhere to PSIA and ONVIF S open communication standards, and support a CGI command set for simple integration into any IP system. Video streams can be set for high and low bandwidth and images can be streamed for live viewing or sent to a designated recording location.

## Additional Features

TruVision IP Megapixel cameras simplify remote, live monitoring/playback of edge-recorded video and audio. Recording on the micro SD/SDXC memory card provides a level of redundancy in case of unforeseen network disruptions. These cameras also feature bi-directional audio and alarm inputs and outputs. Privacy masking conceals sensitive scenes and safeguards confidential areas from being observed during live view and recorded on the video file.

Included, is a suite of intelligence features that provides enhanced alarm capabilities that go above and beyond standard motion detection. Examples include: Cross Line Detection, Intrusion Detection, De-focus Detection and Face Detection and more. Each of these features are user-configurable to best suit the installation environment. Additional advanced non-alarm enhancements include the Region of Interest function that ensures specific portions of an image are given priority in terms of video imaging during instances of high network traffic or network degradation.

## Installation

Special functions are available to assist in providing the best use of your TruVision camera. Included are Hallway View mode to provide a portrait view of a hallway or corridor, De-fog mode to help resolve images through fog or rain and Electronic Image Stabilization for installations subject to vibration.



## Standard Features

- Maximum Resolution: 1280x960 @ 25 fps
- Maximum Real Time Resolution: 1280x960 @ 25 fps, 1280 x 720 @ 50fps (50Hz, WDR off)
- Designed to PSIA and ONVIF S open standards
- H.264 compression with triple-streaming functionality
- Edge recording up to 64GB SDHC card
- 1/3" CMOS image sensor
- Motorized IR Cut Filter
- 0.01 Lux (Color)
- Up to 120dB Wide Dynamic Range
- ROI (Region of Interest)
- Intelligence (Face detection, audio exception detection, cross line, intrusion detection, de-focus, scene change detection)
- One-touch Auto Back Focus

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## Specifications

| Camera                                |  | Video intelligence  |  |
|---------------------------------------|--|---|--|
| Sensor size                           | 1/3"   | Alarm trigger   | Motion detection, Privacy Masking, Video tampering   |
| Max. resolution                       | 1.3 MPX  | Video analytics   | Audio exception detection, Line crossing detection, De-focus, Face detection, Intrusion detection, Scene change                      |
| Sensor scan                           | Progressive  | <b>General</b>  |  |
| Sensor type                           | CMOS   | Technology  | IP   |
| Total Pixels (H x V)                  | 1280 X 960   | Video standard  | PAL  |
| Digital S/N ratio                     | 50 dB (AGC OFF)  | OSD   | Picture Overlay, Text Overlay  |
| Shutter time                          | 1 to 1/100,000 s   | Display modes   | De-Fog, Electronic Image Stabilization, Hallway View, Mirror, ROI (Region Of Interest)   |
| Sensor:                               | 1.3 MPx 1/3" Progressive Scan CMOS   | Video output  | BNC Composite PAL 1.0 Vp-p @ 75 Ohm  |
| Day/Night:                            | Motorized IR Cut Filter  | <b>Electrical</b>   |  |
| IP Compression/Standard:              | H.264 (Baseline profile / Main profile/ High profile)/MPEG4/MJPEG  | Operating voltage   | 12 VDC/24VAC   |
| Maximum Resolution (@ FPS):           | 1280 X 960 (25 FPS)  | Power consumption   | 9.5 W max. (with IR cut filter on)   |
| Maximum Real Time Resolution (@ FPS): | 1280 x 960 @ 25fps (50Hz ) 1280 x 720 @ 50fps (50Hz, WDR off )   | Voltage Input:  | 12 VDC/24VAC, PoE (IEEE 802.3af)   |
| Multiple Streaming:                   | Triple Streams   | Power Consumption:  | Max. 9W with IR cut filter on  |
| Video Bit Rate:                       | 128Kbps to 16 Mbps, adjustable   | I/O Connection:   | Terminal type, 1/1   |
| Sensitivity:                          | 0.01 lux @ f1.2, AGC ON (Color)  | <b>Physical</b>   |  |
| S/N Ratio:                            | 50 dB (AGC OFF)  | Physical dimensions   | 69.8 x 58 x 145 mm   |
| Auto Exposure (shutter):              | 50 Hz: 1s - 1/100,000s   | Net weight  | 830 g  |
| Composite Output (BNC):               | PAL, 1.0 Vp-p @ 75 ohm   | Colour  | Black  |
| Lens :                                | C/CS (w/auto iris)   | Form Factor   | Box  |
| Auto Focus                            | One-touch Auto Back Focus  | <b>Environmental</b>  |  |
| <b>Lighting performance</b>           |  | Vandal proof  | No   |
| WDR type                              | True WDR   | Operating temperature   | -30 to 60°C  |
| Day/night                             | True Day/Night   | Storage temperature   | -20 to 70°C  |
| Motorized IR cut filter               | Yes  | Environment   | Indoor   |
| Color sensitivity                     | 0.1 lux @ F1.2, AGC ON   | <b>Regulatory</b>   |  |
| Infrared (IR)                         | No   | Compliance  | C-tick, CE, FCC, REACH, RoHS, UL, WEEE   |
| <b>Encoding</b>                       |  | <b>LocalStorage</b>   |  |
| Video streams                         | 3  | Media:  | Micro SD/SDXC  |
| Main stream compression               | H.264  | Capacity:   | Up to 64GB   |
| Sub stream compression                | H.264, MJPEG, MPEG4  | <b>Audio</b>  |  |
| Video bit rate                        | 128Kbps to 16 Mbps, adjustable   | Input:  | 1 ch. 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kOhm)  |
| Main stream resolutions               | 1280 x 720 (XVGA), 1280 x 960 (720p)   | <b>Part No. Description</b>   |  |
| Max. resolution @ fps                 | 1280 x 960 @ 25fps   | TVC-1201  | TruVision IP Box Camera, 1.3MPX, PAL, WDR, true D/N, Auto Back Focus, Auto Alarm, 3D/SHD/BSI, Intelligence, POE (803 af)/12VDC/24VAC |
| <b>Lens</b>                           |  | <b>Camera Alarm</b>   |  |
| Lens type                             | Auto iris DC   | TVC-1202  | TruVision IP Box Camera, 3.0MPX, PAL, WDR, true D/N, Auto Back Focus, Motion Detection, Privacy Masking, POE (803 af)/12VDC/24VAC    |
| Lens mount type                       | C/CS   | <b>Advanced:</b>  |  |
| Auto iris                             | Yes  | Motion Detection, Privacy Masking, Video Tampering, Video Tampering |  |
| Auto focus                            | Yes  | <b>Dimensions:</b>  |  |
| Motorized zoom                        | No   | 69.8 x 58 x 145 mm (2.75 x 2.28 x 5.70 in.)                         |  |
| <b>Network</b>                        |  | <b>Weight:</b>  |  |
| Integration                           | CGI, ONVIF, PSIA   | 830g (1.83lbs)  |  |
| Supported network protocols           | 802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, QoS, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP                                      | <b>Storage Temperature:</b>   |  |
| Network Protocols:                    | TCP/IP, UDP, HTTP, DHCP, DNS, DDNS, ezDDNS, DynDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, UPnP, NAT, MULTICAST, 802.1x, Qos, IPv4, IPv6 | -20° to 70°C (-4° to 158°F)   |  |
| PoE IEEE:                             | 802.3af  | <b>Operating Temperature:</b>                                       |  |
| <b>Audio</b>                          |  | -30° to 60°C (-22° to 140°F)  |  |
| Audio compression                     | G.711, G.722.1, G.726, MP2L2   | <b>Environmental Rating:</b>  |  |
| Audio in                              | 1 ch. 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kOhm)  | Indoor  |  |
| Audio out                             | 1 ch. 3.5 mm audio interface (Line level, 600 Ohm)   | <b>Regulation</b>   |  |
| Audio bit rate                        | 16 Kbps  | Compliance:   |  |
| <b>Storage</b>                        |  | FCC, CE, UL, C-Tick, REACH, RoHS, WEEE                              |  |
| Local storage support                 | No   | <b>Ordering Information</b>   |  |
| Local storage type                    | Built-in Micro SD/SDHC/SDXC card slot  |   |  |
| Max. storage capacity                 | 64 GB  |   |  |

