

# TVC-5402

**TruVision IP Box Camera, H.265/H.264, 3.0MPX , WDR, True D/N, Auto Back Focus, Audio, Alarm, BNC, micro SD/SHDC slot, Intelligence, POE (802.3-af) /12VDC/24VAC**

## Overview

The TruVision line of IP box form factor cameras leverages the latest H.265 video compression technology to bring state-of-the-art, high-definition pictures to the mass video surveillance market. With camera resolutions of 2, 3, or 5 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.

H.265 and/or H.264 compression with triple-streaming capability provide even greater flexibility for managing bandwidth and storage use. Select models feature Super Low Light technology, which provides a clear image in low lighting conditions with a minimum of "grainy" interference. Recording to a local MicroSD card (not included) protects data in the event of network disruptions.

These cameras go above and beyond standard motion detection with enhanced alarm capabilities, including cross line, intrusion, defocus and face detection features. Each is user-configurable to best suit the installation environment. A Region of Interest function ensures specific portions of an image are given priority during instances of high network traffic or network degradation.

Location-specific functions include a Hallway View Mode to provide a portrait view of a hallway or corridor, a De-Fog Mode to help resolve images through fog or rain and Electronic Image Stabilization for installations subject to physical vibration or shaking.



## Details

- Maximum Resolution: 2048 x 1536
- Maximum Real Time Resolution: 2048 x 1536 @ 25 fps
- Designed to PSIA and ONVIF Profile G and S open standards
- H.265 and/or H.264 compression with triple-streaming functionality
- Edge recording up to 128GB SDHC card
- 1/2.8" CMOS image sensor
- Motorized IR Cut Filter
- Low Light: Color: 0.008 Lux @ (F1.2, AGC ON), 0 Lux IR on
- Up to 120dB Wide Dynamic Range
- Intelligence (Face detection, Audio Exception Detection, Intrusion Detection, De-focus Detection, Region of Interest (ROI), Electronic Image Stabilization (EIS), Defog, Scene Change Detection, Cross Line Detection, Advanced Motion Detection, Region Entrance Detection, Region Exit Detection, Object Removal, Object Left Behind, Object Counting)

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## Technical specifications

### Camera

|                      |             |
|----------------------|-------------|
| Sensor size          | 1/2.8"      |
| Max. resolution      | 3 MPX       |
| Sensor scan          | Progressive |
| Sensor type          | CMOS        |
| Total Pixels (H x V) | 2048 x 1536 |

### Lighting performance

|                         |                             |
|-------------------------|-----------------------------|
| WDR type                | True WDR                    |
| WDR                     | 120 dB                      |
| Digital noise reduction | 3D DNR                      |
| Day/night               | True Day/Night              |
| Motorized IR cut filter | Yes                         |
| Color sensitivity       | 0.008 Lux @ (F1.2, AGC ON)  |
| B/W sensitivity         | 0.0005 Lux @ (F1.2, AGC ON) |
| Infrared (IR)           | No                          |

### Encoding

|                         |                                                     |
|-------------------------|-----------------------------------------------------|
| Video streams           | 3                                                   |
| Main stream compression | H.264, H.265, MJPEG                                 |
| Sub stream compression  | H.264, MJPEG                                        |
| Video bit rate          | 128 kbps to 16 Mbps                                 |
| Sub stream resolutions  | 176 x 144 (QCIF), 352 x 288 (CIF), 704 x 576 (4CIF) |
| Max. resolution @ fps   | 2048 x 1536 @ 25 fps                                |

### Lens

|                 |                  |
|-----------------|------------------|
| Lens mount type | C/CS (auto iris) |
| Auto iris       | Yes              |

### Network

|                             |                                                                                                             |
|-----------------------------|-------------------------------------------------------------------------------------------------------------|
| Network interface           | RJ-45 10/100 Mbps self-adaptive Ethernet interface                                                          |
| 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 |

### Audio

|                   |                                                       |
|-------------------|-------------------------------------------------------|
| Audio compression | G.711, G.722.1, G.726, MP2L2                          |
| Audio in          | 1 ch. 3.5 mm audio interface (2.0 - 2.4 Vp-p, 1 kOhm) |
| Audio out         | 1 ch. 3.5 mm audio interface (Line level, 600 Ohm)    |

### Alarm I/O

|                      |               |
|----------------------|---------------|
| Alarm inputs         | 1             |
| Alarm outputs        | 1             |
| Alarm I/O connection | Terminal Type |

### Storage

|                       |                                       |
|-----------------------|---------------------------------------|
| Local storage type    | Built-in Micro SD/SDHC/SDXC card slot |
| Max. storage capacity | 128GB                                 |

### Video intelligence

|                 |                                                                                                                                                                                                                                                                                                             |
|-----------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Alarm trigger   | Motion detection, Privacy Masking, Video tampering                                                                                                                                                                                                                                                          |
| Video analytics | Advanced motion detection, Audio exception detection, De-focus, Defog, Electronic Image Stabilization (EIS), Face detection, Intrusion detection, Line crossing detection, Object counting, Object left behind, Object removal detection, Region entrance detection, Region exiting detection, Scene change |

### General

|                        |                                                             |
|------------------------|-------------------------------------------------------------|
| Technology             | IP                                                          |
| Video standard         | NTSC, PAL                                                   |
| Display modes          | Hallway View, Mirror, ROI (Region Of Interest)              |
| Video output           | BNC Composite PAL / NTSC                                    |
| Software compatibility | OnGuard, Prism, TruVision Navigator, TVRmobile, Web Browser |

### Electrical

|                     |                                   |
|---------------------|-----------------------------------|
| Operating voltage   | 12 VDC / 24 VAC<br>PoE (802.3-af) |
| Power consumption   | 10 W                              |
| Current consumption | 850 mA                            |

### Physical

|                     |                                            |
|---------------------|--------------------------------------------|
| Physical dimensions | 70 x 58 x 145 mm<br>2.75 x 2.28 x 5.71 in. |
| Net weight          | 830 g<br>1.83 lbs.                         |
| Colour              | Black                                      |
| Form Factor         | Box                                        |

### Environmental

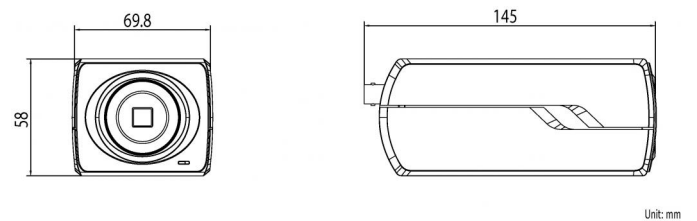
|                       |                               |
|-----------------------|-------------------------------|
| Operating temperature | -30 to +60°C<br>-22 to +140°F |
| Environment           | Indoor                        |

### Regulatory

|            |                                      |
|------------|--------------------------------------|
| Compliance | CE, FCC, HALT, REACH, RoHS, UL, WEEE |
|------------|--------------------------------------|

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