

TVB-5502

TruVision IP Bullet Camera, H.265/H.264, 8MPX

Overview

The TruVision Series 5 line of IP bullet 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 3 or 8 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.

TruVision cameras utilize H.264 and/or H.265 compression technology with triple-streaming capability, making it easy to manage the camera's bandwidth usage. Motorized varifocal lens technology allows the user to remotely adjust the varifocal lens length and focus the camera with the touch of a button. Select models feature 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 lines, intrusion, de-focus 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.



Standard Features

- Maximum Resolution: 3840 x 2160/4K
- Maximum Real Time Resolution: 2560 x 1929 @ 25/30 fps (50/60 Hz)
- 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
- Motorised IR Cut Filter
- Low Light: Color: 0.01 Lux @ (f1.2, AGC ON), 0 Lux IR on
- Fixed Lens 4mm
- Up to 30m IR illumination
- Up to 120dB Wide Dynamic Range
- On board intelligence

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Specifications

| Camera | |
|---------------------------------------|---|
| Sensor Size | 1/2.8" |
| Sensor Scan | Progressive |
| Sensor Type | CMOS |
| Max. Resolution | 8 MPX |
| Total Pixels (H x V) | 3840 x 2160 |
| Digital S/N ratio (dB) | 50 dB (AGC Off) |
| Electronic Shutter | 1/3s - 1/100,000s |
| Day/Night: | Motorized IR Cut Filter |
| IP Compression/Standard: | H.265/ H.264 / MJPEG |
| Maximum Resolution (@ FPS): | 3840 x 2160 @ 20fps |
| Maximum Real Time Resolution (@ FPS): | 2560 x 1920 (@ 25fps) |
| Multiple Streaming: | Triple Streams |
| Video Bit Rate: | 32 Kbps to 16 Mbps, adjustable |
| Composite Output (BNC): | N/A |
| Lighting performance | |
| Wide dynamic range (WDR) | True WDR |
| WDR | 120 dB |
| Digital Noise Reduction | 3D DNR |
| Day/Night | True Day/Night |
| Motorized IR Cut Filter | Yes |
| Color Sensitivity | 0.028 lux @ (f2, AGC ON); 0 lux with IR |
| B/W Sensitivity | 0 lux with IR on |
| InfraRed (IR) | Yes |
| IR Range | Up to 30 m |
| Wide Dynamic Range | WDR |
| Encoding | |
| Video Streams | 3 |
| Video Compression Main Stream | H.264 SVC, H.265 |
| Video Compression Sub Stream | H.264, M-JPEG |
| Max. Resolution @ fps | 3840 x 2160 @20 fps |
| Video Bit Rate | 32kbps to 16Mbps |
| Lens | |
| Focal length | 4mm |
| F-stop | f2.0 |
| Auto-iris | Yes |
| Lens Type | Fixed |
| Network | |
| Supported Network Protocols | 802.1x, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, IPv4, IPv6, NTP, PPPoE, Qos, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP |
| Supported Video Standards | CGI, ONVIF, PSIA |
| Network Protocols: | TCP/IP, HTTP, DHCP, DNS, DDNS, ezDDNS, RTP, RTSP, PPPoE, SMTP, NTP, SNMP, HTTPS, FTP, 802.1x, Qos, IPv6. ONVIF, PSIA, CGI |
| PoE IEEE: | 802.3af |
| Standard & Integration: | ONVIF Profile (G,S), PSIA, CGI |
| Audio | |
| Audio In | N/A |
| Audio Out | N/A |
| Alarm I/O | |
| Alarm Outputs | N/A |
| Alarm I/O Connection | Terminal Type |
| Storage | |
| Max Storage Capacity | 128GB |
| Local Storage Support | Yes |
| Local Storage Type | Built-in Micro SD/SDHC/SDXC card slot |
| Video intelligence | |
| Basic Alarm Detection | Motion, Privacy Masking, Tamper |

| Video Analytics | Advanced motion detection, Cross line, Face detection, Intrusion detection, Object left behind, Object removal |
|------------------------|--|
| General | |
| Technology | IP |
| Display Modes | Hallway View, Mirror, ROI (Region Of Interest) |
| Video Standard | NTSC, PAL |
| Software Compatibility | OnGuard, Prism, TruVision Navigator, TVRmobile, Web Browser |
| Electrical | |
| Power supply type | PoE in |
| Power supply value | 12 VDC |
| Power consumption | 7 W |
| Current consumption | 0.65 A |
| Physical | |
| Form Factor | Bullet |
| Physical dimensions | 70 x 155 mm |
| Net weight | 410 g |
| Colour | Grey |
| Environmental | |
| Operating temperature | -30 to +60°C -22 to +140°F |
| Storage temperature | -30 to +60°C -22 to +140°F |
| Relative humidity | <95% (non-condensing) |
| Vandal proof | No |
| Environment | Outdoor |
| IP-rating | 67 |
| Standards & regulation | |
| Compliance | CE, FCC, HALT, REACH, RoHS, UL, WEEE |

Ordering Information

| Part No. | Description |
|----------|---|
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