



## TVB-5404

TruVision IP Bullet Camera, 3 MPX, 8 to 32mm Motorized Lens, WDR, 80m

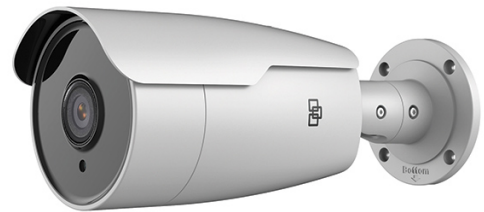
### Overview

The TruVision 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 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.

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 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 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: 2048 × 1536
- Maximum Real Time Resolution: 2048 × 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
- Motorized Lens 8 to 32mm
- Up to 80m IR illumination
- 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 ExitDetection, Object Removal, Object Left Behind, Object Counting)

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## Specifications

Camera	
Sensor:	3 MPX 1/2.8" Progressive Scan CMOS
Day/Night:	Motorized IR Cut Filter
IP Compression/Standard:	H.265/ H.264 / MJPEG
Maximum Resolution (@ FPS):	2048 × 1536 (25 fps)
Maximum Real Time Resolution (@ FPS):	50Hz: 25fps (2048 × 1536), 50fps (1920 × 1080, 1280 × 960, 1280 × 720) 60Hz: 30fps@2048 × 1536, 60fps (1920 × 1080, 1280 × 960, 1280 × 720)
Multiple Streaming:	Triple Streams
Video Bit Rate:	128 Kbps to 16 Mbps, adjustable
S/N Ratio:	52 dB (AGC OFF)
Auto Exposure (shutter):	50 Hz: 1/3s to 1/100,000s 60 Hz: 1/3s to 1/100,000s
Composite Output (BNC):	Yes
Lighting performance	
Wide Dynamic Range	WDR
WDR in dB	120dB
Digital noise reduction	3D DNR
Highlight compensation (HLC)	No
Day/Night	True D/N
Motorized IR Cut Filter	Yes
Color sensitivity	Color: 0.008 Lux @ (F1.2, AGC ON), 0 Lux IR on
IR Range	Up to 80 m
IR Wavelength	850nm
Lens	
Control type:	DC
Focal length:	8 to 32mm
Zoom lens:	Motorized
Autofocus:	Yes
Electrical	
Voltage Input:	12VDC, PoE (802.3af / 802.3at with heater)
Power Consumption:	13 W
Current:	1083 mA
Auxiliary Power	50mA @12VDC Line level
Network	
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:	802.3at
Standard & Integration	ONVIF Profile (G,S), PSIA, CGI
LocalStorage	
Media:	MicroSD/micro SDHC/ microSDXC
Capacity:	Up to 128GB
Input:	Audio in / Mic in (line level)
Output:	Audio out
Audio bit rate (protocol)	G.711ulaw, G.711alaw, MP2L2, G.726, PCM
Camera Alarm	
Basic:	Motion Detection, Tamper Proof, Privacy Mask
Advanced:	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
Input/Output:	1 input / 1 output
Display	
Display mode:	N/A
OSD:	N/A
Mechanical/ Environmental	
Camera type:	Bullet
Dimensions:	Ø 115.8 × 291.8 mm (4.6 × 11.5 in.)
Weight:	1600 g (3.53 lbs.)
Storage Temperature:	-40 to +60 °C (-40 to +140 °F)
Operating Temperature:	-40 to +60°C (-40 to +140°F), with heater on
Environmental Rating:	IP66
Vandal Rating:	No
Outdoor:	Yes
Regulation	
Compliance:	FCC, CE, UL, WEEE, RoHS, REACH
Accessories	
Brackets:	No

## Ordering Information

Part No.	Description
TVB-5404	TruVision IP Bullet Camera, 3 MPX, 8 to 32mm Motorized Lens, WDR, 80m IR

