



# TVB-5604H

**TruVision 2MPx, H.265/H.264, IP VF Bullet Camera w/ cable harness, 2.8 to 12 mm motorized, True D/N, WDR, 50m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE+ (802.3-at)/12VDC, IP67,**

## Overview

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The TruVision Series 6 line of IP bullet 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 video resolutions from 2 megapixel to 4K, 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.265 and/or H.264 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 and focus the camera with the touch of a button. 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 detection, intrusion detection and face detection features. Each is user-configurable to best suit the installation environment. A Region of Interest function (ROI) ensures specific portions of an image are given priority during instances of high network traffic or network degradation.



## Details

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- Maximum Resolution: 1920 x 1080
- H.265 and/or H.264 compression with triple-streaming functionality
- Motorized zoom lens 2.8 to 12 mm
- Motorised IR Cut Filter
- ONVIF Profile G and S open standards
- Edge recording up to 128 GB SDHC card
- Up to 50 m IR illumination
- Up to 120 dB Wide Dynamic Range
- Video intelligence: face detection, intrusion detection, cross line detection

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## Technical specifications

### General

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

### Camera

Sensor size	1/2.7"
Max. resolution	2 MP
Sensor scan	Progressive
Sensor type	CMOS
Digital S/N ratio	50 dB (AGC Off)
Shutter time	1/3 to 1/100,000 s

### 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	0.01 Lux @ (F1.2, AGC ON), 0.018 Lux @ (F1.6, AGC ON)
B/W sensitivity	0 lux with IR on
B/W trigger	Auto/Schedule/Triggered by alarm in
Infrared (IR)	Yes
IR range	Up to 50 m

### Encoding

Video streams	3
Main stream compression	H.264, H.265
Sub stream compression	H.264, H.265, MJPEG
Third stream compression	H.264, H.265
Video bit rate	32 to 16 Mbps
Main stream resolutions	1280 x 720 (XVGA), 1280 x 960 (720p), 1920 x 1080 (1080p)
Sub stream resolutions	320 x 240 (QVGA), 640 x 360 (nHD), 640 x 480 (VGA), 704 x 576 (4CIF)
Third stream resolutions	1280 x 720 (XVGA), 1920 x 1080 (1080p), 352 x 288 (CIF), 640 x 360 (nHD)
Max. resolution @ fps	1920 x 1080 @ 25/30 fps

### Lens

Lens type	Varifocal
Focal length	2.8 to 12 mm (horizontal FOV: 110 to 31°, vertical FOV: 58 to 18°, diagonal FOV: 136 to 36°)
f-stop	F1.6
Auto focus	Yes
Motorized zoom	Yes

### Network

Network interface	RJ-45 10/100 Mbps self-adaptive Ethernet interface
Integration	ONVIF Profile G, ONVIF Profile S
Supported network protocols	802.1x, Bonjour, DDNS, DHCP, DNS, FTP, HTTP, HTTPS, ICMP, IGMP, IPv4, IPv6, NTP, PPPoE, QoS, RTCP, RTP, RTSP, SMTP, SNMP, TCP/IP, UPnP

### Audio

Audio compression	G.711a, G.722.1, G.726, MP2L2, PCM
Audio in	1 line in/mic.in
Audio out	1 line out

### Alarm I/O

Alarm inputs	1
Alarm outputs	1 (up to 12 VDC, 30 mA)
Alarm I/O connection	Terminal block

### Storage

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

### Video intelligence

Alarm trigger	HDD error, HDD full, Invalid login, IP address conflict, Motion detection, Network disconnected, Video tampering
ROI	Support 1 fixed region for main stream and sub-stream
Video analytics	Advanced motion detection, Face detection, Intrusion detection, Line crossing detection

### Electrical

Operating voltage	12 VDC $\pm$ 25%, terminal block / PoE+ (IEEE 802.3at, class 4)
Power consumption	max. 14.5 W @ 12 VDC max. 18 W @ PoE+ (42.5 to 57.0 V)
Current consumption	1.2 A @ 12 VDC 0.4 to 0.3 A @ PoE

### Physical

Physical dimensions	105 x 333.8 mm 4.13 x 13.14 in.
Net weight	1.285 kg 2.8 lbs.
Colour	Grey
Form Factor	Bullet

### Environmental

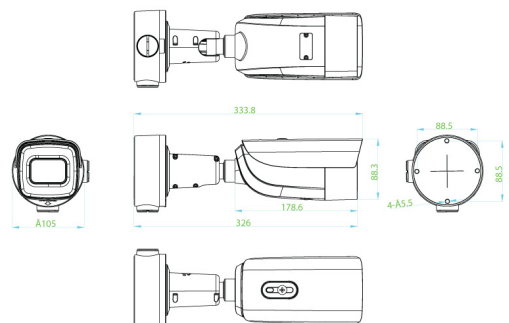
Vandal proof	Yes
Impact rating	IK10
Environment	Outdoor
Operating temperature	-30 to +60°C -22 to +140°F
Relative humidity	<95% (non-condensing)
IP rating	IP67

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## Regulatory

Compliance	CE, FCC, REACH, RoHS, UL, WEEE
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Last updated on 26 February 2021 - 14:51

