TVC-5712

TruVision IP Box Camera, 4MP, Super Low Light, PoE (802.3-af)/12 VDC/24 VAC

Overview

The TruVision Series 7 IP box cameras with smart event capabilities available in 2, 4, 8 and 12MP resolution deliver high-quality images thanks to their extreme low light sensitivity and enhanced image processing. The rich set of features make these cameras the ideal choice for demanding security, surveillance and monitoring applications.

The cameras support up to 10 configurable video streams which allow users to optimize the camera's remote live view capabilities while controlling the bandwidth usage. In addition to the compatibility with other TruVision products and 3rd party VMS software, the cameras also support NAS recording or local MicroSD card recording to protect data in the event of network disruptions.

The enhanced embedded video intelligence capabilities go above and beyond standard event detection allowing operators to receive real-time event notifications and reduce the time needed for post-incident investigation.

The box camera can be installed in the TVC-OH3-HT outdoor housing with integrated IR, controlled by the camera's RS485 connection.



Details

- Maximum resolution: 2560 x 1440
- H.265, H.264 and MJPEG compression
- 10 independent configurable video streams
- ONVIF Profiles S, G and T
- Rich video intelligence (VCA)
- Up to 140 dB Wide Dynamic Range
- Edge recording up to 256 GB with optional SD card

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Technical specifications

General

Technology	IP
Video standard	NTSC, PAL
Image settings	De-Fog, Electronic Image Stabilization, Hallway View, Mirror
Privacy masking	8 zones
Video output	BNC (for installation only)
Software compatibility	Milestone XProtect, OnGuard, TruVision Navigator, TVRmobile, UltraView, Web Browser

Camera

Sensor size	1/1.8"
Max. resolution	4 MP
Sensor scan	Progressive
Sensor type	CMOS
Shutter time	1 to 1/100,000 s

Lighting performance

WDR type	True WDR
WDR	140 dB
Digital noise reduction	3D DNR
Day/night	True Day/Night
Motorized IR cut filter	Yes
Color sensitivity	Color: 0.002 Lux @ (F1.2, AGC ON) B/W: 0.0002 Lux @ (F1.2, AGC ON)
B/W trigger	Auto/Schedule/Triggered by alarm in

Encoding

Video streams	10
Main stream compression	H.264, H.265
Sub stream compression	H.264, H.265, MJPEG
Third stream compression	H.264, H.265, MJPEG
Video bit rate	32 to 16 Mbps
Main stream resolutions	1280 x 720 (XVGA), 1920 x 1080 (1080p), 2560 x 1440
Sub stream resolutions	640 x 480 (VGA), 704 x 576 (4CIF)
Third stream resolutions	1280 x 720 (XVGA), 1280 x 960 (720p), 1920 x 1080 (1080p), 640 x 480 (VGA), 704 x 576 (4CIF)
Max. resolution @ fps	2560 x 1440 @ 25/30 fps
4th to 10th stream compression	H.265, H.264, MJPEG
4th stream resolutions	1920 x 1080 (1080p), 1280 x 720 (XVGA), 704 x 576 (4CIF), 640 x 480 (VGA)
5th stream resolutions	704 x 576 (4CIF), 640 x 480 (VGA)
6th to 10th stream resolutions	1920 x 1080 (1080p), 1280 x 720 (XVGA), 704 x 576 (4CIF), 640 x 480 (VGA)

Lens

Lens type	C/CS mount lens to be ordered separately
Auto iris	Yes

Network

Network interface	RJ-45 10/100 Mbps self-adaptive Ethernet interface
Integration	CGI, ISAPI, ONVIF Profile G, ONVIF Profile S, ONVIF Profile T
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

WiFi

Security	Password protection, HTTPS encryption, 802.1x authentication (EAP-TLS, EAP-LEAP, EAP-MD5), watermark, IP address filter, basic and digest authentication for HTTP/HTTPS, WSSE and digest authentication for ONVIF, RTP/RTSP over HTTPS, control timeout setting

Audio

Audio compression	G.711alaw, G.711ulaw, G.722.1, G.726, MP2L2, MP3, PCM
Audio in	1 line in/mic.in
Audio out	1 line out

Alarm I/O

Alarm inputs	2
Alarm outputs	2 outputs (24 VAC/VDC, 1 A max.)
Alarm I/O connection	Terminal blocks

Storage

Local storage support	Yes
Local storage type	Built-in Micro SD/SDHC/SDXC card slot
Max. SD card capacity	256 GB

Video intelligence

Alarm trigger	HDD error, HDD full, Invalid login, IP address conflict, Network disconnected
ROI	Up to 4 fixed regions for one of 5 the first streams Dynamic region for face tracking
Smart event	Advanced motion detection, Audio exception detection, Defocus, Face detection, Intrusion detection, Line crossing detection, Object removal detection, Region entrance detection, Region exiting detection, Scene change detection, Unattended baggage detection

Electrical

Operating voltage	12 VDC is recommended, 10 to 48 VDC, 24 VAC is recommended, 15 to 36 VAC, two-core terminal block PoE (802.3af, class 3), reverse polarity protection
Power consumption	12 VDC, 0.65 A, max. 7.6 W; 24 VAC, 0.55 A, max. 7.6 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, max. 7.6 W, class 3 With external load connected to camera power output: 12 VDC, 0.8 A, max. 10 W; 24 VAC, 0.7 A, max. 10 W; PoE (802.3af, 36 V to 57 V), 0.1 A to 0.3 A, max. 10 W, class 3

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Physical

Physical dimensions	142.6 x 69.8 x 68 mm (5.61 x 2.75 x 2.68 in.)
Net weight	730 g (1.61 lb.)
Colour	Black
Form Factor	Box

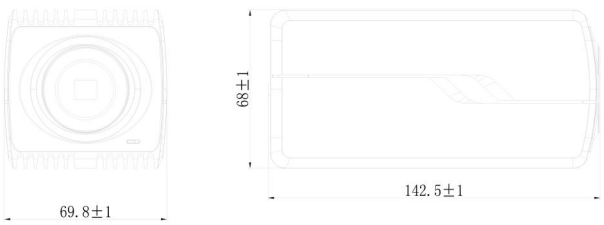
Environmental

Environment	Indoor
Operating temperature	-30 to +60°C (-22 to +140°F)
Relative humidity	<95% noncondensing

Regulatory

Compliancy	CE, FCC, REACH, RoHS, UL, WEEE

Unit: mm



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