



Comprehensive coverage. Unmatched performance.

The TruVision® line from Interlogix represents integrated video solutions for advanced surveillance capabilities.





The next-generation video offering designed by security experts.

Developed by Interlogix, a recognized leader in innovative security technology, the TruVision® line brings the benefit of digital security monitoring to small business and commercial applications.

Designed to deliver leading image capture capability to secure the most demanding applications, TruVision IP components adhere to open standards for easy deployment. Megapixel cameras, recording devices and software work seamlessly together to form a ready-made IP solution ideally suited for environments where high-quality resolution and ease of use are a must:

- **Schools and higher education**
- **Banks and financial institutions**
- **Office buildings**
- **Retail spaces**
- **Public venues**

TruVision® Software

TruVision software provides advanced video management capabilities within a streamlined, user-friendly interface. Compatible with Interlogix® TruVision brand cameras and recorders, TruVision Navigator is a unified security solution that's highly flexible and scalable. Available mobile apps allow you to access the system and monitor your facilities even while you're away.



TruVision Navigator

TruVision Navigator by Interlogix brings together TruVision video, TruPortal™ access control, UltraSync® intrusion, and IFS® network switches into one unified interface. It's not only easy to install and use, but also offers greater scalability to accommodate future growth.

- Supports Analog and HD-TVI video through TruVision recorders
- Supports H.264/H.265 IP video directly through TruVision cameras or recorders
- Maps, multiple video viewing tabs and live alarm monitoring
- Logical view in device tree and logical event filtering in notifier
- TruPortal Access Control and UltraSync integration with video door controller/sensor linking
- IFS network switch integration for discovery, login, configuration and monitoring
- Scalable for stand-alone or larger commercial (SME) server/client applications

TruVision Navigator 8 Information & Download

<https://firesecurityproducts.com/en/products/video/video-software>

TVRMobile App

Compatible with Apple® iOS and Android™ phones and tablets, TVRMobile allows users to access and monitor their TruVision video surveillance system from anywhere in the world.

- Real-time monitoring of analog, HD-TVI or H.264/H.265 IP video via TruVision recorders or directly from TruVision IP cameras
- Send events from a TruVision device directly to your phone using push notifications
- View 1, 4, 9 or 16 channels on either tablet or phone
- Supports up to 100 devices
- Record snapshots, live video, or recorded video directly to a mobile device and export using standard methods such as text, email, etc.
- Remote connection via Wi-Fi®, 3G, 4G or LTE network
- Free downloads via iTunes® App Store or Android

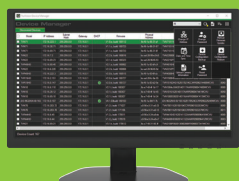
TVRMobile App Information & Download

<https://firesecurityproducts.com/en/products/video/video-software>

TruVision Video Tools

TruVision Device Manager

Easily search and configure TruVision IP devices on a network.



TruVision Calculator

Calculate storage requirements for TruVision H.264/H.265 recorders based on camera count, resolution, fps, etc.



TruVision IP Camera App

Find the right TruVision IP camera using the mobile app.



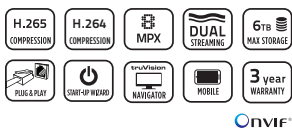
IP Network Video Recorders

TruVision network video recorders offer user-friendly operation, flexible configuration, as well as easy installation. Live/playback high definition IP video can be accessed through front panel controls, TruVision Navigator or web browser.



Plug & Play

NVR 11 Series



- H.264/H.265 support
- Supports up to 16 IP cameras (TruVision and ONVIF®) in real-time (25/30fps)
- Up to 160Mbps incoming bandwidth (Depending on the model)
- Built-in 4-, 8- or 16 port PoE switch (NVR 11S)
- Plug and Play configuration
- Start-up wizards, auto discovery tools and ezDDNS service make configuration quick and easy
- Out of the box intrusion-video integration
- HDMI port for local high definition viewing
- Available mobile apps for remote monitoring
- 3-year warranty



Full Featured

NVR 22 Series

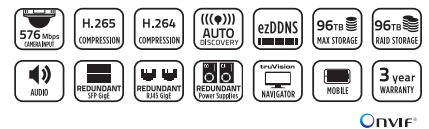


- H.264/H.265 support
- Supports up to 64 IP cameras (TruVision and ONVIF) in real-time (25/30fps)
- Up to 320Mbps incoming bandwidth
- Built-in 8- or 16-port PoE Switch (NVR 22S)
- Automatic PoE power budget allocation
- Front panel accessible HDD bays for easy storage expansion
- RAID support (TVN22P Series only)
- Hot-spare redundancy
- Network redundancy
- Start-up wizards, auto discovery tools and ezDDNS service make configuration quick and easy
- Out of the box intrusion-video integration
- HDMI ports for local high definition viewing
- Available mobile apps for remote monitoring
- 3-year warranty



High Capacity

NVR 71 Series



- H.264/H.265 support
- Up to 576 Mbps incoming bandwidth
- Supports up to 128 IP cameras (TruVision and ONVIF) in real-time (25/30fps)
- Front panel accessible HDD bays for up to 16 drives for easy storage expansion
- High fault-tolerant design includes network, fans, and power supply redundancy
- Built-in SFP fiber ports for high bandwidth network connectivity
- Out of the box intrusion-video integration
- Available mobile apps for remote monitoring
- 3-year warranty
- RAID support via dedicated TVN 71 models

Built for easy operation and reliability



Plug & Play PoE Switch (NVR 11S/NVR 22S)

Built-in remote PoE power and automatic configuration for easy installation of TruVision IP cameras.



Versatile Front Panel Design

Direct access to camera channels and controls with the drop-down lockable front panel allowing storage expansion.



High storage capacity with a high fault-tolerant design (NVR 71)

Up to 16 HDD bays and full redundancy for mission-critical applications.

Network Video Recorders Comparison Table

		NVR 11CS	NVR 11S	NVR 11C	NVR 11	NVR 22	NVR 22S	NVR 22Plus	NVR 71
Channels, Bandwidth & Resolution	Max. IP channels	4	8/16	4	8/16	8/16	8/16	16/32	128
	Total bandwidth available incoming	40	80/160	40	80/160	80/160	80/160	256/320	576
	Average bandwidth per channel (Mbps) incoming	5	5	5	5	5	5	5	4
	Bandwidth allocation	Fully flexible	Fully flexible	Fully flexible	Fully flexible	Fully flexible	Fully flexible	Fully flexible	Fully flexible
	Real-time recording	Full HD	Full HD	Full HD	Full HD	Full HD	Full HD	Full HD	Full HD
	HD recording per channel	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps	25/30 fps
PoE	PoE ports	4	8/16	—	—	—	8/16	—	—
	Total PoE budget	50W	120W/200W	—	—	—	120W/200W	—	—
	Avg. power budget for 1 port	12.5W	15W	—	—	—	Auto-PoE	—	—
	Max. power budget for 1 port	30W	30W	—	—	—	30W	—	—
	PoE-af	•	•	—	—	—	•	—	—
	PoE-at	•	•	—	—	—	•	—	—
Network & Streaming	Plug-and-play IP configuration	•	•	—	—	—	•	—	—
	ONVIF support	•	•	•	•	•	•	•	•
	PSIA support	—	—	—	—	•	•	•	•
	Gigabit ethernet (RJ45/SFP) ports	1/0	1/0	1/0	1/0	2/0	1/0	2/0	4/4
	Redundant NIC ports	—	—	—	—	•	—	•	•
	Load balancing	—	—	—	—	•	—	•	•
	ezDDNS	•	•	•	•	•	•	•	•
	Maximum outgoing streams	live: 128 streams; playback: 8 streams	live: 128 streams; playback: 8 streams	live: 128 streams playback : 8	live: 128 streams playback : 8	128	128	128	256
	Maximum outgoing bandwidth	80 Mbps	80/80 Mbps	80	80	256/256 Mbps	256/256 Mbps	256/256 Mbps	512 Mbps
Storage	Max storage (TB)	2	4/6	2	4/6	24	24	48	96 (RAID & Non-RAID)
	Front side accessible HDDs	—	—	—	—	•	•	•	•
	Expandable internal storage	—	—	—	—	•	•	•	•
	Dual stream recording	—	—	—	—	Firmware 2.0 and above	Firmware 2.0 and above	Firmware 2.0 and above	•
	Hot spare backup/recovery	—	—	—	—	•	•	•	•
	HDD redundancy	—	—	—	—	•	•	•	•
	RAID support (requires RAID HDDs)	—	—	—	—	—	—	0/1/5/6/10	0/1/5/6/10
	NAS and eSATA support	•	•	NAS only	NAS only	•	•	•	•
Local Viewing & Controls	Front panel controls	•	•	•	•	•	•	•	—
	HDMI	•	•	•	•	1	1	2	—
	VGA	•	•	•	•	1	1	2	—
	BNC output	—	—	—	—	•	•	•	—
	Keypad support	TVK-800	TVK-800	TVK-800	TVK-800	TVK-800	TVK-800	TVK-800	—
	USB slots	2	2	2	2	3	3	3	4
General Features	Text insertion	—	—	—	—	•	•	•	—
	CD/DVD burner	via USB	via USB	via USB	via USB	via USB	via USB	via USB	via USB
	Reverse playback	•	•	•	•	•	•	•	•
	Alarm I/O	4/1	4/1	4 in / 1 out	4 in / 1 out	16/4	16/4	16/4	16/8
	Rack mountable	—	•	—	—	•	•	•	•
	Redundant Power Supplies	—	—	—	—	—	—	—	•
Software Support	TruVision Navigator	•	•	•	•	•	•	•	•
	TVRMobile	•	•	•	•	•	•	•	•
	OnGuard®	Pending	Pending	Pending	Pending	7.2 w/recorder pack 1.0.2 and above	7.2 w/recorder pack 1.0.2 and above	7.2 w/recorder pack 1.0.2 and above	7.4 w/recorder pack 1.0.4 and above
	TruPortal™	•	•	V.1.72.100	V.1.72.100	•	•	•	•

TruVision® IP Products

Network Video Recorders Ordering Information

NVR 11	
TVN-1104c-1T	TruVision NVR 11, 4 channels, 40 Mbps, 1TB
TVN-1104c-2T	TruVision NVR 11, 4 channels, 40 Mbps, 2TB
TVN-1104cS-1T	TruVision NVR 11, 4 channels, 4 channel PoE, 40 Mbps, 1TB
TVN-1104cS-2T	TruVision NVR 11, 4 channels, 4 channel PoE, 40 Mbps, 2TB
TVN-1108-2T	TruVision NVR 11, 8 channels, 80 Mbps, 2TB
TVN-1108-4T	TruVision NVR 11, 8 channels, 80 Mbps, 4TB
TVN-1108S-2T	TruVision NVR 11, 8 channels, 8 channel PoE, 80 Mbps, 2TB
TVN-1108S-4T	TruVision NVR 11, 8 channels, 8 channel PoE, 80 Mbps, 4TB
TVN-1116-2T	TruVision NVR 11, 16 channels, 160 Mbps, 2TB
TVN-1116-4T	TruVision NVR 11, 16 channels, 160 Mbps, 4TB
TVN-1116-6T	TruVision NVR 11, 16 channels, 160 Mbps, 6TB
TVN-1116S-2T	TruVision NVR 11, 16 channels, 16 channel PoE, 160 Mbps, 2TB
TVN-1116S-4T	TruVision NVR 11, 16 channels, 16 channel PoE, 160 Mbps, 4TB
TVN-1116S-6T	TruVision NVR 11, 16 channels, 16 channel PoE, 160 Mbps, 6TB
NVR 22	
TVN-2208-2T	TruVision NVR 22, H.265, 8 channel IP, 2TB (1x 2TB)
TVN-2208-4T	TruVision NVR 22, H.265, 8 channel IP, 4TB (2x 2TB)
TVN-2208-8T	TruVision NVR 22, H.265, 8 channel IP, 8TB (2x 4TB)
TVN-2208-12T	TruVision NVR 22, H.265, 8 channel IP, 12TB (3x 4TB)
TVN-2208-16T	TruVision NVR 22, H.265, 8 channel IP, 16TB (4x 4TB)
TVN-2208-18T	TruVision NVR 22, H.265, 8 channel IP, 18TB (3x 6TB)
TVN-2208-24T	TruVision NVR 22, H.265, 8 channel IP, 24TB (4x 6TB)
TVN-2216-2T	TruVision NVR 22, H.265, 16 channel IP, 2TB (1x 2TB)
TVN-2216-4T	TruVision NVR 22, H.265, 16 channel IP, 4TB (2x 2TB)
TVN-2216-8T	TruVision NVR 22, H.265, 16 channel IP, 8TB (2x 4TB)
TVN-2216-12T	TruVision NVR 22, H.265, 16 channel IP, 12TB (3x 4TB)
TVN-2216-16T	TruVision NVR 22, H.265, 16 channel IP, 16TB (4x 4TB)
TVN-2216-18T	TruVision NVR 22, H.265, 16 channel IP, 18TB (3x 6TB)
TVN-2216-24T	TruVision NVR 22, H.265, 16 channel IP, 24TB (4x 6TB)
TVN-2232-2T	TruVision NVR 22, H.265, 32 channel IP, 2TB (1x 2TB)
TVN-2232-4T	TruVision NVR 22, H.265, 32 channel IP, 4TB (2x 2TB)
TVN-2232-8T	TruVision NVR 22, H.265, 32 channel IP, 8TB (2x 4TB)
TVN-2232-12T	TruVision NVR 22, H.265, 32 channel IP, 12TB (3x 4TB)
TVN-2232-16T	TruVision NVR 22, H.265, 32 channel IP, 16TB (4x 4TB)
TVN-2232-18T	TruVision NVR 22, H.265, 32 channel IP, 18TB (3x 6TB)
TVN-2232-24T	TruVision NVR 22, H.265, 32 channel IP, 24TB (4x 6TB)
NVR 22S	
TVN-2208S-4T	TruVision NVR 22S, H.265, 8-Channel PoE, 4TB Storage
TVN-2208S-8T	TruVision NVR 22S, H.265, 8-Channel PoE, 8TB Storage
TVN-2208S-12T	TruVision NVR 22S, H.265, 8-Channel PoE, 12TB Storage
TVN-2216S-4T	TruVision NVR 22S, H.265, 16-Channel PoE, 4TB Storage
TVN-2216S-8T	TruVision NVR 22S, H.265, 16-Channel PoE, 8TB Storage
TVN-2216S-12T	TruVision NVR 22S, H.265, 16-Channel PoE, 12TB Storage
TVN-2216S-24T	TruVision NVR 22S, H.265, 16-Channel PoE, 24TB Storage
TVN-2216S-2T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 2TB (1x 2TB)
TVN-2216S-4T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 4TB (2x 2TB)
TVN-2216S-8T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 8TB (2x 4TB)
TVN-2216S-12T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 12TB (3x 4TB)
TVN-2216S-16T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 16TB (4x 4TB)

TVN-2216S-18T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 18TB (3x 6TB)
TVN-2216S-24T	TruVision NVR 22, H.265, 16 channel IP, 16 channel PoE, 24TB (4x 6TB)
NVR 22P	
TVN-2216P-2T	TruVision NVR 22Plus, H.265, 16-Channel IP, 2U, 6TB Storage
TVN-2216P-4T	TruVision NVR 22Plus, H.265, 16-Channel IP, 2U, 12TB Storage
TVN-2216P-8T	TruVision NVR 22Plus, H.265, 16-Channel IP, 2U, 24TB Storage
TVN-2216P-12T	TruVision NVR 22Plus, H.265, 32-Channel IP, 2U, 6TB Storage
TVN-2216P-16T	TruVision NVR 22Plus, H.265, 32-Channel IP, 2U, 12TB Storage
TVN-2216P-18T	TruVision NVR 22Plus, H.265, 32-Channel IP, 2U, 24TB Storage
TVN-2216P-24T	TruVision NVR 22Plus, H.265, 32-Channel IP, 2U, 48TB Storage
TVN-2216P-32T	TruVision NVR 22P, H.265, 16 channel IP, 2U, 32TB (8x 4TB)
TVN-2216P-36T	TruVision NVR 22P, H.265, 16 channel IP, 2U, 36TB (6x 6TB)
TVN-2216P-42T	TruVision NVR 22P, H.265, 16 channel IP, 2U, 42TB (7x 6TB)
TVN-2216P-48T	TruVision NVR 22P, H.265, 16 channel IP, 2U, 48TB (8x 6TB)
TVN-2232P-2T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 2TB (1x 2TB)
TVN-2232P-4T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 4TB (2x 2TB)
TVN-2232P-8T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 8TB (4x 2TB)
TVN-2232P-12T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 12TB (3x 4TB)
TVN-2232P-16T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 16TB (4x 4TB)
TVN-2232P-18T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 18TB (3x 6TB)
TVN-2232P-24T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 24TB (6x 4TB)
TVN-2232P-32T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 32TB (8x 4TB)
TVN-2232P-36T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 36TB (6x 6TB)
TVN-2232P-42T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 42TB (7x 6TB)
TVN-2232P-48T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 48TB (8x 6TB)
TVN-2232P-64T	TruVision NVR 22P, H.265, 32 channel IP, 2U, 64TB (8x8TB)
TVN-2264P-4T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 4TB (2x 2TB)
TVN-2264P-8T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 8TB (4x 2TB)
TVN-2264P-12T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 12TB (3x 4TB)
TVN-2264P-16T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 16TB (4x 4TB)
TVN-2264P-18T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 18TB (3x 6TB)
TVN-2264P-24T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 24TB (6x 4TB)
TVN-2264P-32T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 32TB (8x 4TB)
TVN-2264P-36T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 36TB (6x 6TB)
TVN-2264P-42T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 42TB (7x 6TB)
TVN-2264P-48T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 48TB (8x 6TB)
TVN-2264P-64T	TruVision NVR 22P, H.265, 64 channel IP, 2U, 64TB (8x8TB)
NVR 71	
TVN-7101-16T	TruVision NVR 71, H.265, 576 Mbps, 3U, 16TB (4x 4TB)
TVN-7101-32T	TruVision NVR 71, H.265, 576 Mbps, 3U, 32TB (8x 4TB)
TVN-7101-48T	TruVision NVR 71, H.265, 576 Mbps, 3U, 48TB (12x 4TB)
TVN-7101-64T	TruVision NVR 71, H.265, 576 Mbps, 3U, 64TB (16x 4TB)
TVN-7101-72T	TruVision NVR 71, H.265, 576 Mbps, 3U, 72TB (12x 6TB)
TVN-7101-96T	TruVision NVR 71, H.265, 576 Mbps, 3U, 96TB (16x 6TB)
TVN-7101R-16T	TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 16TB (4x 4TB)
TVN-7101R-32T	TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 32TB (8x 4TB)
TVN-7101R-48T	TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 48TB (12 x 4TB)
TVN-7101R-64T	TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 64TB (16x 4TB)
TVN-7101R-72T	TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 72TB (12x 6TB)
TVN-7101R-96T	TruVision NVR 71, RAID, H.265, 576 Mbps, 3U, 96TB (6x 6TB)

IFS® Network Switches

Delivering robust electrical power and data connection to IP cameras, IFS technology is designed to meet modern network demands. These advanced network switches offer high bandwidth, isolated PoE ports, extra SFP fiber ports and network and cable diagnostics. Select IFS switches also provide native integration with TruVision Navigator.

interlogix.com/transmission



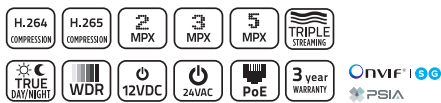
IP Cameras

IP Cameras

TruVision® IP cameras deliver superior image quality and perform seamlessly with a variety of video management software platforms and recorders. In addition, there are several form-factors available to meet multiple video needs.



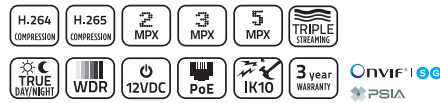
Series 4 H.265 IP Box Cameras



- Intelligence features including face detection, cross line detection, object removal, object left behind, object counting
- Easily controlled alarm input and output notifications
- Edge recording on up to 128GB for video playback (card not included)
- External analog BNC video out connection
- 3-year warranty



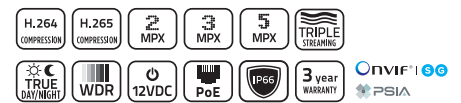
Series 4 H.265 IP Dome Cameras



- Intelligence features including face detection, cross line detection, object removal, object left behind, object counting
- Alarm inputs and output provide easy notification and control of events
- Edge recording on up to 128GB for video playback (card not included)
- Analog BNC video out connection
- Auxiliary power output (12VDC/50mA @ 12VDC line level)
- 3-year warranty



Series 4 H.265 IP Bullet Cameras



- Motorized varifocal lens technology that provides remote autofocus
- Long zoom and IR range
- Intelligence features including face detection, cross line detection, object removal, object left behind, object counting
- Edge recording on up to 128GB for video playback (card not included)
- Auxiliary power output (12VDC/50mA @ 12VDC line level)
- 3-year warranty

TruVision® IP Products

Series 4 Box Cameras Specifications

	IP Box Camera (with Audio)		
	2MPx TVC-5401	3MPx TVC-5402	5MPx TVC-5403
			
Sensor	1/1.8" Progressive Scan, CMOS	1/2.8" Progressive Scan, CMOS	1/1.8" Progressive Scan, CMOS
Resolution	1920(H) x 1080(V)	2048(H) x 1536(V)	2592(H) x 1944(V)
Multiple Streaming	Triple		
Day/Night	True D/N, IR cut filter		
Wide Dynamic Range	WDR (120 dB)		DWDR
Digital S/N Ratio	52 dB (AGC Off)		
IP Compression/Standard	H.264 / H.265 / MJPEG		
Minimum Illumination	Color: 0.002 lux @ (f1.2, AGC On); B/W: 0.0002 lux @ (f1.2, AGC On)	Color: 0.008 lux @ (f1.2, AGC On); B/W: 0.0005 lux @ (f1.2, AGC On)	Color: 0.01 lux @ (f1.2, AGC On); B/W: 0.001 lux @ (f1.2, AGC On)
Lens	C/CS (with auto iris)		
Video Output	1 - 75Ω / BNC (Composite NTSC/PAL)		
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB		
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		
I/O	1 Input / 1 Output		
Audio	Input: Audio in / Mic in (line level); Output: Audio out (line level)		
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI		
Voltage Input	12VDC / 24VAC / PoE (IEEE 802.3af)		
Operating Temp	-22 to 140°F (-30 to 60°C)		
Environmental Rating	--		
Certification	FCC, CE, UL, WEEE, RoHS, REACH		

Series 4 Indoor Dome Cameras Specifications

	Indoor Dome Cameras (Varifocal Motorized Lens)		
	2MPx	3MPx	5MPx
	TVD-5401	TVD-5402	TVD-5403
			
Sensor	1/1.8" Progressive Scan, CMOS	1/2.8" Progressive Scan, CMOS	1/1.8" Progressive Scan, CMOS
Resolution	1920(H) x 1080(V)	2048(H) x 1536(V)	2592(H) x 1944(V)
Multiple Streaming	Triple		
Day/Night	True D/N, IR cut filter		
Wide Dynamic Range	WDR (120 dB)		DWDR
Digital S/N Ratio	52 dB (AGC Off)		
IP Compression/Standard	H.264 / H.265 / MJPEG		
Minimum Illumination	Color: 0.002 lux @ (f1.2, AGC On); 0 lux with IR On	Color: 0.008 lux @ (f1.2, AGC On); 0 lux with IR On	Color: 0.01 lux @ (f1.2, AGC On); 0 lux with IR On
Lens Type	2.8~12mm @ f1.2 (motorized)		
Video Output	1 - 75Ω / BNC (Composite NTSC/PAL)		
IR Range	98 ft. (30m)		
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB		
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		
I/O	1 Input / 1 Output		
Audio	Audio in (Mic in - line level) / Audio out		
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI		
Voltage Input	12VDC / PoE (IEEE 802.3af)		
Auxiliary Power	12VDC / 50mA @ 12VDC Line level		
Operating Temp	-22 to 140°F (-30 to 60°C)		
Vandal Rating	IK10		
Certification	FCC, CE, UL, WEEE, RoHS, REACH		

Series 4 Outdoor Dome Cameras Specifications

	Outdoor Dome Cameras (Varifocal Motorized Lens)				
	2MPx		3MPx		5MPx
	TVD-5404	TVD-5405	TVD-5406	TVD-5407	TVD-5408
					
Sensor	1/1.8" Progressive Scan, CMOS		1/2.8" Progressive Scan, CMOS		1/1.8" Progressive Scan, CMOS
Resolution	1920(H) x 1080(V)		2048(H) x 1536(V)		2592(H) x 1944(V)
Multiple Streaming	Triple				
Day/Night	True D/N, IR cut filter				
Wide Dynamic Range	WDR (120 dB)				DWDR
Digital S/N Ratio	50 dB (AGC Off)				
IP Compression/Standard	H.264 / H.265 / MJPEG				
Minimum Illumination	Color: 0.002 lux @ (f1.2, AGC On); 0 lux with IR On		Color: 0.008 lux @ (f1.2, AGC On); 0 lux with IR On		Color: 0.01 lux @ (f1.2, AGC On); 0 lux with IR On
Lens	2.8~12mm @ f1.2 (motorized)	8~32mm @ f1.2 (motorized)	2.8~12mm @ f1.2 (motorized)	8~32mm @ f1.2 (motorized)	2.8~12mm @ f1.2 (motorized)
Video Output	1 - 75Ω / BNC (Composite NTSC/PAL)				
IR Range	98 ft. (30m)	164 ft. (50m)	98 ft. (30m)	164 ft. (50m)	98 ft. (30m)
Local Storage	Micro SD / SDHC/ SDXC slot, up to 128GB				
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				
I/O	1 Input / 1 Output				
Audio	Audio in (Mic in - line level) / Audio out				
Standard & Integration	ONVIF (Profile G/S), PSIA, CGI				
Voltage Input	12VDC / 24VAC / PoE (IEEE 802.3af / 802.3 at w/Heater)				
Auxiliary Power	12VDC / 50mA @ 12VDC Line level				
Operating Temp	-40 to 140°F (-40 to 60°C) with Heater On				
Environmental Rating	IP66				
Vandal Rating	IK10				
Certification	FCC, CE, UL, WEEE, RoHS, REACH				

TruVision® IP Products

Series 4 Bullet Cameras Specifications

	Varifocal (Motorized) Lens				
	2MPx		3MPx		5MPx
	TVB-5401	TVB-5402	TVB-5403	TVB-5404	TVB-5405
					
Sensor	1/1.8" Progressive Scan, CMOS		1/2.8" Progressive Scan, CMOS		1/1.8" Progressive Scan, CMOS
Resolution	1920(H) x 1080(V)		2048(H) x 1536(V)		2592(H) x 1944(V)
Multiple Streaming	Triple				
Day/Night	True D/N, IR cut filter				
Wide Dynamic Range	WDR (120 dB)				
Digital S/N Ratio	52 dB (AGC off)				
IP Compression/Standard	H.264 / H.265 / MJPEG				
Minimum Illumination	Color: 0.002 lux @ (f1.2, AGC On); 0 lux with IR On		Color: 0.008 lux @ (f1.2, AGC On); 0 lux with IR On		Color: 0.01 lux @ (f1.2, AGC On); 0 lux with IR On
Lens	2.8~12mm @ f1.2 (motorized)	8~32mm @ f1.2 (motorized)	2.8~12mm @ f1.2 (motorized)	8~32mm @ f1.2 (motorized)	2.8~12mm @ f1.2 (motorized)
IR Range	164 ft. (50m)	262 ft. (80m)	164 ft. (50m)	262 ft. (80m)	164 ft. (50m)
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB				
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				
I/O	1 Input / 1 Output				
Audio	Audio in (Mic in - line level) / Audio out				
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI				
Voltage Input	12VDC / PoE (IEEE 802.3af / 802.3 at w/Heater)				
Auxiliary Power	12VDC / 50mA @ 12VDC Line level				
Operating Temp	-40 to 140°F (-40 to 60°C) with heater on				
Environmental Rating	IP66				
Certification	FCC, CE, UL, WEEE, RoHS, REACH				

Series 4 IP Cameras Ordering Information

2MPx, 3MPx AND 5 MPx H.264/H.265 IP BULLET CAMERAS	
TVB-5401	TruVision 2MPx Low Light IP Bullet Camera, H.265/H.264, 2.0MPx, 2.8~12mm Motorized Lens, Super Low Light, WDR, True D/N, 50m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Heater IP66
TVB-5402	TruVision 2MPx Low Light IP Bullet Camera, H.265/H.264, 2.0MPx, 8~32mm Motorized Lens, Super Low Light, WDR, True D/N, 80m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Heater, IP66
TVB-5403	TruVision 3MPx IP Bullet Camera, H.265/H.264, 3.0MPx, 2.8~12mm Motorized Lens, WDR, True D/N, 50m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Heater, IP66
TVB-5404	TruVision 3MPx IP Bullet Camera, H.265/H.264, 3.0MPx, 8~32mm Motorized Lens, WDR, True D/N, 80m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Heater, IP66
TVB-5405	TruVision 5MPx IP Bullet Camera, H.265/H.264, 5.0MPx, 2.8~12mm Motorized Lens, WDR, True D/N, 50m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Heater, IP66
2MPx, 3MPx AND 5 MPx H.264/H.265 IP DOME CAMERAS	
TVD-5401	TruVision 2MPx Low Light IP Mini Dome Camera, H.265/H.264, 2.0MPx, 2.8~12mm Motorized Lens, Super Low Light, WDR, True D/N, 30m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Indoor, IK10
TVD-5402	TruVision 3MPx IP Mini Dome Camera, H.265/H.264, 3.0MPx, 2.8~12mm Motorized Lens, WDR, True D/N, 30m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Indoor, IK10
TVD-5403	TruVision 5MPx IP Mini Dome Camera, H.265/H.264, 5.0MPx, 2.8~12mm Motorized Lens, DWDR, True D/N, 30m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC, Indoor, IK10
TVD-5404	TruVision 2MPx Low Light IP Outdoor Dome Camera, H.265/H.264, 2.0MPx, 2.8~12mm Motorized Lens, Super Low Light, WDR, True D/N, 30m IR, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, 12VDC/24VAC/PoE (802.3-af/802.3at with heater), Heater, IP66, IK10
2MPx, 3MPx AND 5 MPx H.264/H.265 IP BOX CAMERAS	
TVC-5401	TruVision 2MPx Low Light IP Box Camera, H.265/H.264, 2.0MPx, Super Low Light, WDR, True D/N, Auto Back Focus, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC/24VAC
TVC-5402	TruVision 3MPx IP Box Camera, H.265/H.264, 3.0MPx, WDR, True D/N, Auto Back Focus, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC/24VAC
TVC-5403	TruVision 5MPx IP Box Camera, H.265/H.264, 5.0MPx, DWDR, True D/N, Auto Back Focus, Audio, Alarm, BNC, Micro SD/SDHC Slot, Intelligence, PoE (802.3-af)/12VDC/24VAC

IP Cameras



Series 5 Bullet IR Cameras



- 3MPx or 8MPx (4K) resolution options
- H.265/H.264/MJPEG compression technology
- Triple streaming
- 4mm fixed lens
- Wide Dynamic Range (WDR)
- True day/night
- Up to 98 ft. (30m) IR range
- 3-year warranty



Series 5 Dome IR Cameras



- 3MPx or 8MPx (4K) resolution options
- H.265/H.264/MJPEG compression technology
- Triple streaming
- 2.8mm fixed lens
- Wide Dynamic Range (WDR)
- True day/night
- Up to 98 ft. (30m) IR range
- 3-year warranty



Series 5 Turret IR Cameras



- 3MPx or 8MPx (4K) resolution options
- H.265/H.264/MJPEG compression technology
- Triple streaming
- 4mm fixed lens
- Wide Dynamic Range (WDR)
- True day/night
- Up to 98 ft. (30m) IR range
- 3-year warranty

TruVision® IP Products

Series 5 IP Bullet Cameras Specifications

	Fixed Lens	
	3MPx	8MPx (4K)
	TVB-5501	TVB-5502
		
Sensor	1/2.8" Progressive Scan, CMOS	
Max Resolution	2048(H) x 1536(V) @ 30 fps	3840(H) x 2160(V) @ 20 fps
Multiple Streaming	Triple	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	WDR (120 dB)	
Digital S/N Ratio	50 dB (AGC Off)	
IP Compression/Standard	H.264 / H.265 / MJPEG	
Minimum Illumination	0.009 lux @ (f1.6, AGC On); 0 lux with IR	0.028 lux @ (f2.0, AGC On); 0 lux with IR
Lens Type	4mm @ f1.6; horizontal field of view: 78.7°	4mm @ f2.0, horizontal field of view: 79°
IR Range	98 ft. (30m)	
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB	
Intelligence	Motion Detection, Tamper Detection, Privacy Mask, Intrusion Detection (up to 4), Cross Line (up to 4), Unattended Baggage, Object Removal	
I/O	--	
Audio	--	
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI, ISAPI	
Voltage Input	12VDC / PoE (IEEE 802.3af)	
Operating Temp	-22 to 140°F (30 to 60°C), Humidity <95% (non-condensing)	
Environmental Rating	IP67	
Vandal Rating	--	
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS	

Series 5 IP Dome Cameras Specifications

	Fixed Lens	
	3MPx	8MPx (4K)
	TVD-5501	TVD-5502
		
Sensor	1/2.8" Progressive Scan, CMOS	
Max Resolution	2048(H) x 1536(V) @ 30 fps	3840(H) x 2160(V) @ 20 fps
Multiple Streaming	Triple	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	WDR (120 dB)	
Digital S/N Ratio	50 dB (AGC Off)	
IP Compression/Standard	H.264 / H.265 / MJPEG	
Minimum Illumination	0.009 lux @ (f1.6, AGC On); 0 lux with IR	0.028 lux @ (f2.0, AGC On); 0 lux with IR
Lens Type	2.8mm @ f1.6; horizontal field of view: 98°	2.8mm @ f2.0, horizontal field of view: 102°
IR Range	98 ft. (30m)	
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB	
Intelligence	Motion Detection, Tamper Detection, Privacy Mask, Intrusion Detection (up to 4), Cross Line (up to 4), Unattended Baggage, Object Removal	
I/O	1 - Input / 1 - Output	
Audio	1 Line in / 1 Out	
Standard & Integration	ONVIF (Profile G/S), PSIA, CGI, ISAPI	
Voltage Input	12VDC / PoE (IEEE 802.3af)	
Operating Temp	-22 to 140°F (30 to 60°C), Humidity <95% (non-condensing)	
Environmental Rating	IP67	
Vandal Rating	IK10	
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS	

Series 5 IP Turret Cameras Specifications

	Fixed Lens	
	3MPx	8MPx (4K)
	TVT-5501	TVT-5502
		
Sensor	1/2.8" Progressive Scan, CMOS	
Max Resolution	2048(H) x 1536(V) @ 30 fps	3840(H) x 2160(V) @ 20 fps
Multiple Streaming	Triple	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	WDR (120 dB)	
Digital S/N Ratio	50 dB (AGC Off)	
IP Compression/Standard	H.264 / H.265 / MJPEG	
Minimum Illumination	0.009 lux @ (f1.6, AGC On); 0 lux with IR	0.028 lux @ (f2.0, AGC On); 0 lux with IR
Lens Type	4mm @ f1.6; horizontal field of view: 78.7°	4mm @ f2.0, horizontal field of view: 79°
IR Range	98 ft. (30m)	
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB	
Intelligence	Motion Detection, Tamper Detection, Privacy Mask, Intrusion Detection (up to 4), Cross Line (up to 4), Unattended Baggage, Object Removal	
I/O	--	
Audio	--	
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI, ISAPI	
Voltage Input	12VDC / PoE (IEEE 802.3af)	
Operating Temp	-22 to 140°F (30 to 60°C), Humidity <95% (non-condensing)	
Environmental Rating	IP67	
Vandal Rating	--	
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS	

Series 5 IP Cameras Ordering Information

3MPX AND 8 MPX (4K) IR BULLET CAMERAS		3MPX AND 8 MPX (4K) IR TURRET CAMERAS	
TVB-5501	TruVision® 3MPx, H.265/H.264, Low Light IP Fixed Lens Bullet Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67	TVT-5501	TruVision® 3MPx, H.265/H.264, Low Light IP Fixed Lens Turret Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67
TVB-5502	TruVision 8MPx/4K, H.265/H.264, IP Fixed Lens Bullet Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67	TVT-5502	TruVision 8MPx/4K, H.265/H.264, IP Fixed Lens Turret Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67
3MPX AND 8 MPX (4K) IR DOME CAMERAS			
TVD-5501	TruVision® 3MPx, H.265/H.264, Low Light IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10		
TVD-5502	TruVision® 8MPx/4K, H.265/H.264, IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10		

TruVision® IP Products



Series 6 Bullet IR Cameras



- Integrated motion detection and tamper proof detection
- Network disconnect and IP address conflict detection
- Illegal login detection
- Fixed and motorized varifocal lens options
- 98 to 164 ft. (30 to 50m) IR illumination range
- Edge recording supports up to 128GB Micro SD/SDHC/SDXC for video playback (on select models, card not included)
- External alarm I/O support
- IP67 Environmental rating
- IK10 Vandal rating (on select models)
- 3-year warranty



Series 6 Dome IR Cameras



- Integrated motion detection and tamper proof detection
- Network disconnect and IP address conflict detection
- Illegal login detection
- Fixed and motorized varifocal lens options
- 98 ft. (30m) IR illumination range
- Edge recording supports up to 128GB Micro SD/SDHC/SDXC for video playback (on select models, card not included)
- External alarm I/O support
- IP67 Environmental rating
- IK10 Vandal rating
- 3-year warranty



Series 6 Turret IR Cameras



- Integrated motion detection and tamper proof detection
- Network disconnect and IP address conflict detection
- Illegal login detection
- Fixed and varifocal lens options
- 98 ft. (30m) IR illumination range
- Edge recording supports up to 128GB Micro SD/SDHC/SDXC for video playback (on select models, card not included)
- External alarm I/O support
- External audio I/O support and built-in mic (on select models)
- Housing color options: gray, white, or black (on select models)
- IP67 Environmental rating
- IK10 Vandal rating (on select models)
- 3-year warranty



Series 6 Wedge IR Cameras



- Low profile format
- Integrated motion detection and tamper proof detection
- Network disconnect and IP address conflict detection
- Illegal login detection
- 2.0mm / 2.8mm fixed lens options
- 33 ft. (10m) IR illumination range
- Edge recording supports up to 128GB Micro SD/SDHC/SDXC for video playback (on select models, card not included)
- External alarm I/O support
- External audio I/O support and built-in mic
- IP66 Environmental rating
- IK8 Vandal rating
- 3-year warranty

TruVision® IP Products

Series 6 IP Bullet Cameras Specifications

	Fixed Lens			Motorized Varifocal Lens		
	2MPx	4MPx	8MPx (4K)	2MPx	4MPx	8MPx (4K)
	TVB-5601	TVB-5602	TVB-5603	TVB-5604	TVB-5605	TVB-5606
						
Color	Gray					
Sensor	1/2.8" Progressive Scan, CMOS		1/2.5" Progressive Scan, CMOS	1/2.8" Progressive Scan, CMOS		1/3" Progressive Scan, CMOS
Max Resolution	1920 x 1080	2560 x 1440	3840 x 2160	1920 x 1080	2560 x 1440	3840 x 2160
Multiple Streaming	Triple Stream					
Day/Night	True D/N, IR cut filter					
Wide Dynamic Range	WDR (120 dB)					
Digital S/N Ratio	50 dB (AGC Off)					
IP Compression/Standard	H.265 / H.264 / MJPEG					
Minimum Illumination	Color: 0.01 lux @ (f1.2, AGC On); 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.018 lux @ (f1.6, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.018 lux @ (f1.6, AGC On); 0 lux with IR		
Lens	4mm; horizontal FOV: 86°; vertical FOV: 46°; diagonal FOV: 102°	4mm; horizontal FOV: 78°; vertical FOV: 42°; diagonal FOV: 93°	4mm; horizontal FOV: 79°; vertical FOV: 42°; diagonal FOV: 95°	2.8 to 12mm; horizontal FOV: 110° to 31°; vertical FOV: 58° to 18°	2.8 to 12mm; horizontal FOV: 98° to 28°; vertical FOV: 51° to 16°	2.8 to 12mm; horizontal FOV: 105° to 34.5°; vertical FOV: 55° to 19°
Video Output	N/A			1 - 75Ω / BNC (Composite NTSC/PAL)		
IR Range	98 ft. (30m)			164 ft. (50m)		
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB (card not included)					
Intelligence	Motion Detection, Video tampering, Network disconnected, IP address conflict, Illegal login, HDD full, HDD error					
I/O	1 - input / 1 - output					
Audio	N/A			1 input (line in / mic in, 3.5mm) / 1 output (line out, 3.5mm)		
Standard & Integration	ONVIF® (Profile S/G), PSIA, CGI, ISAPI					
Voltage Input	12VDC / PoE (IEEE 802.3-af)					
Operating Temp	-22 to 140°F (30 to 60°C), Humidity < 95% (non-condensing)					
Environmental Rating	IP67					
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS					

Series 6 IP Bullet Cameras Specifications

	Fixed Lens			Motorized Varifocal Lens		
	2MPx	4MPx	8MPx (4K)	2MPx	4MPx	8MPx (4K)
	TVD-5601	TVD-5602	TVD-5603	TVD-5604	TVD-5605	TVD-5606
						
Color	Gray					
Sensor	1/2.8" Progressive Scan, CMOS		1/2.5" Progressive Scan, CMOS	1/2.8" Progressive Scan, CMOS		1/2.5" Progressive Scan, CMOS
Max Resolution	1920 x 1080	2560 x 1440	3840 x 2160	1920 x 1080	2560 x 1440	3840 x 2160
Multiple Streaming	Triple Stream					
Day/Night	True D/N, IR cut filter					
Wide Dynamic Range	WDR (120 dB)					
Digital S/N Ratio	50 dB (AGC Off)					
IP Compression/Standard	H.265 / H.264 / MJPEG					
Minimum Illumination	Color: 0.01 lux @ (f1.2, AGC On); 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.018 lux @ (f1.6, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.018 lux @ (f1.6, AGC On); 0 lux with IR		
Lens	2.8mm; horizontal FOV: 114°; vertical FOV: 62°; diagonal FOV: 135°	2.8mm; horizontal FOV: 98°; vertical FOV: 55°; diagonal FOV: 114°	2.8mm; horizontal FOV: 102°; vertical FOV: 53°; diagonal FOV: 124°	2.8 to 12mm; horizontal FOV: 110° to 31°; vertical FOV: 58° to 18°	2.8 to 12mm; horizontal FOV: 98° to 28°; vertical FOV: 51° to 16°	2.8 to 12mm; horizontal FOV: 105° to 34.5°; vertical FOV: 55° to 19°
Video Output	N/A			1 - 75Ω / BNC (Composite NTSC/PAL)		
IR Range	98 ft. (30m)					
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB (card not included)					
Intelligence	Motion Detection, Video tampering, Network disconnected, IP address conflict, Illegal login, HDD					
I/O	1 - input / 1 - output					
Audio	1 input (line in / mic in, 3.5mm) / 1 output (line out, 3.5mm)					
Standard & Integration	ONVIF® (Profile S/G), PSIA, CGI, ISAPI					
Voltage Input	12VDC / PoE (IEEE 802.3-af)					
Operating Temp	-22 to 140°F (30 to 60°C), Humidity < 95% (non-condensing)					
Environmental Rating	IP67					
Vandal Rating	IK10					
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS					

TruVision® IP Products

Series 6 IP Turret Cameras Specifications

	Fixed Lens			Motorized Varifocal Lens		
	2MPx	4MPx	8MPx (4K)	2MPx	4MPx	8MPx (4K)
	TVT-5601 TVT-5602 TVT-5603	TVT-5604 TVT-5605 TVT-5606	TVT-5607	TVT-5608	TVT-5609 TVT-5610	TVT-5611
						
Color	Gray / White / Black	Gray / White / Black	Gray	Gray	Gray / White	Gray
Sensor	1/2.8" Progressive Scan, CMOS		1/2.5" Progressive Scan, CMOS	1/2.8" Progressive Scan, CMOS		1/2.5" Progressive Scan, CMOS
Resolution	2MPx	4MPx	8MPx	2MPx	4MPx	8MPx
Multiple Streaming	Triple Stream					
Day/Night	True D/N, IR cut filter					
Wide Dynamic Range	WDR (120 dB)					
Digital S/N Ratio	50 dB (AGC Off)					
IP Compression/Standard	H.265 / H.264 / MJPEG					
Minimum Illumination	Color: 0.01 lux @ (f1.2, AGC On); 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.018 lux @ (f1.6, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On); 0.018 lux @ (f1.6, AGC On); 0 lux with IR		
Lens	2.8mm; horizontal FOV: 114°; vertical FOV: 62°; diagonal FOV: 135°	2.8mm; horizontal FOV: 98°; vertical FOV: 55°; diagonal FOV: 114°	2.8mm; horizontal FOV: 102°; vertical FOV: 53°; diagonal FOV: 124°	2.8 to 12mm; horizontal FOV: 110° to 31°; vertical FOV: 58° to 18°; diagonal FOV: 136° to 36°	2.8 to 12mm; horizontal FOV: 98° to 28°; vertical FOV: 51° to 16°; diagonal FOV: 115° to 32°	2.8 to 12mm; horizontal FOV: 105° to 34.5°; vertical FOV: 55° to 19°; diagonal FOV: 125° to 40°
Video Output	N/A					
IR Range	98 ft. (30m)					
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB (card not included)					
Intelligence	Motion Detection, Video tampering, Network disconnected, IP address conflict, Illegal login, HDD full, HDD error					
I/O	1 - input / 1 - output					
Audio	N/A			1 input (line in / mic in, 3.5mm) / 1 output (line out, 3.5mm)		
Standard & Integration	ONVIF® (Profile S/G), PSIA, CGI, ISAPI					
Voltage Input	12VDC / PoE (IEEE 802.3-af)					
Operating Temp	-22 to 140°F (30 to 60°C), Humidity < 95% (non-condensing)					
Environmental Rating	IP67					
Vandal Rating	N/A			IK10		
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS					

Series 6 IP Cameras Ordering Information

2MPx, 4MPx AND 8 MPx (4K) IP BULLET CAMERAS	
TVB-5601	TruVision® 2MPx, H.265/H.264, Low Light IP Fixed Lens Bullet Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67
TVB-5602	TruVision 4MPx, H.265/H.264, IP Fixed Lens Bullet Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67
TVB-5603	TruVision 8MPx/4K, H.265/H.264, IP Fixed Lens Bullet Camera, 4mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67
TVB-5604	TruVision 2MPx, H.265/H.264, IP VF Bullet Camera, 2.8-12mm Motorized, True D/N, WDR, 50m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE+ (802.3-af)/12VDC, IP67, IK10
TVB-5605	TruVision 4MPx, H.265/H.264, IP VF Bullet Camera, 2.8-12mm Motorized, True D/N, WDR, 50m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE+ (802.3-af)/12VDC, IP67, IK10
TVB-5606	TruVision 8MPx/4K, H.265/H.264, IP VF Bullet Camera, 2.8-12mm Motorized, True D/N, WDR, 50m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE+ (802.3-af)/12VDC, IP67, IK10

2MPx, 4MPx AND 8 MPx (4K) IP DOME CAMERAS	
TVD-5601	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10
TVD-5602	TruVision 4MPx, H.265/H.264, IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10
TVD-5603	TruVision 8MPx/4K, H.265/H.264, IP Fixed Lens Dome Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP67, IK10
TVD-5604	TruVision 2MPx, H.265/H.264, IP VF Dome Camera, 2.8-12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10
TVD-5605	TruVision 4MPx, H.265/H.264, IP VF Dome Camera, 2.8-12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10
TVD-5606	TruVision 8MPx/4K, H.265/H.264, IP VF Dome Camera, 2.8-12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10

Series 6 IP Wedge Cameras Specifications

	Fixed Lens		
	2MPx	2MPx	4MPx
	TVW-5601	TVW-5602 / TVW-5603 / TVW-5604	TVW-5605
		  	
Color	Gray	Gray / White / Black	Gray
Sensor	1/2.8" Progressive Scan, CMOS		
Max Resolution	1920 x 1080		2560 x 1440
Multiple Streaming	Triple Stream		
Day/Night	True D/N, IR cut filter		
Wide Dynamic Range	WDR (120 dB)		
Digital S/N Ratio	50 dB (AGC Off)		
IP Compression/Standard	H.265 / H.264 / MJPEG		
Minimum Illumination	Color: 0.005 lux @ (f1.2, AGC On), 0 lux with IR; Color: 0.009 lux @ (f1.6, AGC On); 0 lux with IR	Color: 0.01 lux @ (f2.25, AGC On), 0 lux with IR; Color: 0.028 lux @ (f2.0, AGC On); 0 lux with IR	Color: 0.01 lux @ (f1.2, AGC On), 0 lux with IR; Color: 0.018 lux @ (f1.6, AGC On); 0 lux with IR
Lens	2.0mm; horizontal FOV: 132°; vertical FOV: 77°; diagonal FOV: 153°	2.8mm; horizontal FOV: 114°; vertical FOV: 62°; diagonal FOV: 135°	2.8mm; horizontal FOV: 98°; vertical FOV: 72°; diagonal FOV: 129°
Video Output	N/A		
IR Range	33 ft. (10m)		
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB (card not included)		
Intelligence	Motion Detection, Video tampering, Network disconnected, IP address conflict, Illegal login		
I/O	1 - input / 1 - output		
Audio	1 input (line in / mic in, 3.5mm) / 1 output (line out, 3.5mm)		
Standard & Integration	ONVIF® (Profile S/G), PSIA, CGI, ISAPI		
Voltage Input	12VDC / PoE (IEEE 802.3-af)		
Operating Temp	-22 to 140°F (30 to 60°C), Humidity < 95% (non-condensing)		
Environmental Rating	IP66		
Vandal Rating	IK8		
Certification	EMC USA, EMC Europe, UL/cUL, WEEE, LVD, RoHS, REACH, China RoHS		

2MPX, 4MPX AND 8 MPX (4K) IP TURRET CAMERAS

TVT-5601	TruVision® 2MPx, H.265/H.264, Low Light IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, Gray
TVT-5602	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, White
TVT-5603	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, Black
TVT-5604	TruVision 4MPx, H.265/H.264, IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, Gray
TVT-5605	TruVision 4MPx, H.265/H.264, IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, White
TVT-5606	TruVision 4MPx, H.265/H.264, IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, Black
TVT-5607	TruVision 8MPx/4K, H.265/H.264, IP Fixed Lens Turret Camera, 2.8mm, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, Gray
TVT-5608	TruVision 2MPx, H.265/H.264, IP VF Turret Camera, 2.8~12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10, Gray
TVT-5609	TruVision 4MPx, H.265/H.264, IP VF Turret Camera, 2.8~12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10, Gray
TVT-5610	TruVision 4MPx, H.265/H.264, IP VF Turret Camera, 2.8~12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10, White
TVT-5611	TruVision 8MPx/4K, H.265/H.264, IP VF Turret Camera, 2.8~12mm Motorized, True D/N, WDR, 30m IR, Audio, I/Os, Micro SD/SDHC/SDXC Slot, PoE (802.3-af)/12VDC, IP67, IK10, Gray

2MPX AND 4MPX IP WEDGE CAMERAS

TVW-5601	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Wedge Camera, 2.0mm, True D/N, WDR, 10m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP66, IK8, Gray
TVW-5602	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Wedge Camera, 2.8mm, True D/N, WDR, 10m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP66, IK8, Gray
TVW-5603	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Wedge Camera, 2.8mm, True D/N, WDR, 10m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP66, IK8, White
TVW-5604	TruVision 2MPx, H.265/H.264, Low Light IP Fixed Lens Wedge Camera, 2.8mm, True D/N, WDR, 10m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP66, IK8, Black
TVW-5605	TruVision 4MPx, H.265/H.264, Low Light IP Fixed Lens Wedge Camera, 2.8mm, True D/N, WDR, 10m IR, Micro SD/SDHC/SDXC Slot, Audio, I/Os, PoE (802.3-af)/12VDC, IP66, IK8, Gray

TruVision® IP Products

IP Megapixel PTZ Cameras



IP Compact PTZ Cameras



ONVIF

- 2MPx or 3MPx resolution
- H.265/H.264 compression technology
- 4X or 20X optical, 16X digital (depending on model)
- Triple streaming
- True day/night
- IR illumination (ranges vary depending on model)
- 3-year warranty

IP Compact PTZ Cameras Ordering Information

TVP-5101	TruVision 2MPx, Compact IP PTZ, 4X Optical Zoom, 350° Pan, H.265, H.264, Indoor, Surface Mount, True D/N, DWDR, 20m IR, Audio, Alarm, Micro SD/SDHC/SDXC Slot, PoE/12VDC
TVP-5102	TruVision 2MPx, Compact IP PTZ, 20X Optical Zoom, H.265, H.264, Outdoor, Pendant/Wall Mount, True D/N, WDR, 150m IR, Audio, Alarm, Micro SD/SDHC/SDXC Slot, Hi-PoE (Max 32W)/24VAC, IP66
TVP-5103	TruVision 3MPx, Compact IP PTZ, 20X Optical Zoom, H.265, H.264, Outdoor, Surface Mount, True D/N, WDR, 50m IR, Audio, Alarm, Micro SD/SDHC/SDXC Slot, PoE+/12VDC, IP66

IP Compact PTZ Cameras Specifications

	2MPx		3MPx
	TVP-5101	TVP-5102	TVP-5103
			
Sensor	1/2.8" Progressive Scan, CMOS		
Resolution	1920 x 1080 @ 30fps		2048 x 1536 @ 30fps
Multiple Streaming	Triple		
Day/Night	True D/N, IR cut filter		
Wide Dynamic Range	DWDR	WDR (120 dB)	
Digital Noise Reduction	3DNR		
Digital S/N Ratio	>52 dB (AGC Off)		
Electronic Shutter	1 - 1/10,000 s	1 - 1/30,000 s	
IP Compression/Standard	H.264 / H.265 / MJPEG		
Minimum Illumination	Color: 0.05 lux @ (f2.0, AGC On); B/W: 0.005 lux	Color: 0.05 lux @ (f1.6, AGC On); B/W: 0.01 lux	
IR Range	66 ft. (20m)	492 ft. (150m)	164 ft. (50m)
Lens	2.8 to 12mm (f1.8 to f2.5)	4.7 to 94.0mm (f1.6 to f3.5)	
Zoom Range	4X Optical / 16X Digital	20X Optical / 16X Digital	
Pan Range and Speed	Range: 350° maximum (it does not pan 360°); Manual Speed: 0.1 to 60°/sec	Range: 360° endless; Manual Speed: 0.1 to 400°/sec; Preset Speed: 400°/sec	Range: 360° endless; Manual Speed: 0.1 to 300°/sec; Preset Speed: 350°/sec
Tilt Range and Speed	Range: 0° to 90°; Manual Speed: 0.1 to 50°/sec	Range: -15° to 90°; Manual Speed: 0.1 to 200°/sec; Preset Speed: 200°/sec	Range: -5° to 90°; Manual Speed: 0.1 to 160°/sec; Preset Speed: 200°/sec
Video Output	--	1 Vp-p Composite Output (75Ω / BNC)	--
Presets	300		
Patrol	8 patrols, up to 32 presets per patrol		
Intelligence	Motion Detection, Cross Line Detection, Audio Exception Detection		Intrusion Detection, Cross Line Detection, Audio Exception Detection, Face Detection, Region Entrance Detection, Region Exiting Detection, Intelligent Tracking
Privacy Mask	8		
Local Storage	Micro SD / SDHC / SDXC Slot (card not included), up to 128GB		
I/O	1 - Input / 1 - Output	2 - Inputs / 1 - Output	2 - Inputs / 2 - Outputs
Audio	1 Mic in / Line in interface, Line input: 2-2.4V[p-p]; Output impedance 1kΩ, ±10%; 1 Audio output interface, Line level, Impedance: 600Ω		
Voltage Input	12VDC	24VAC	12VDC, Power Supply included. Power/line cord is not included.
PoE	PoE	Hi-PoE	PoE+
Operating Temp	-14 to 122°F (-10 to 50°C); Humidity 90% or less (non-condensing)	-40 to 149°F (-40 to 65°C); Humidity 90% or less (non-condensing)	
Environmental Rating	N/A, Indoor Only	IP66	
Vandal Rating	--		
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI, ISAPI		
Certification	FCC, CE, UL, C-Tick, REACH, RoHS, WEEE		

IP Megapixel PTZ Cameras



IP PTZ Cameras



- 2MPx resolution
- H.265/H.264 compression technology
- 25X or 36X optical, 16X digital (depending on model)
- Triple streaming
- True day/night
- IR illumination up to 656 ft. (200m) on select model
- 3-year warranty

IP 2MPx PTZ Cameras Ordering Information

TVP-5104	TruVision 2MPx, IP PTZ, 25X Optical Zoom, H.265, H.264, Outdoor, Pendant/Wall Mount, Super Low Light, True D/N, WDR, Audio, Alarm, Micro SD/SDHC/SDXC Slot, Hi-PoE (Max 60W)/24VAC, IP67, IK10
TVP-5105	TruVision 2MPx, IP PTZ, 36X Optical Zoom, H.265, H.264, Outdoor, Pendant/Wall Mount, Super Low Light, True D/N, WDR, 200m IR, Audio, Alarm, Micro SD/SDHC/SDXC Slot, Hi-PoE (Max 60W)/24VAC, IP66, IK10

IP PTZ Cameras Specifications

	Indoor / Outdoor	
	2MPx	
	TVP-5104	TVP-5105
		
Sensor	1/1.9" Progressive Scan, CMOS	
Resolution	1920 x 1080 @ 30fps	
Multiple Streaming	Triple	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	WDR (120 dB)	
Digital Noise Reduction	3DNR	
Digital S/N Ratio	>52 dB	
Electronic Shutter	1/30 - 1/30,000 s	
IP Compression/Standard	H.264 / H.265 / MJPEG	
Minimum Illumination	Color: 0.02 lux @ (f1.5, AGC On); B/W: 0.002 lux	
IR Range	--	656 ft. (200m)
Lens	5.7 to 142.5mm @ f1.5 to f3.4	5.7 to 205.2mm @ f1.5 to f4.5
Zoom Range	25X Optical / 16X Digital	36X Optical / 16X Digital
Pan Range and Speed	Range: 360° endless; Manual Speed: 0.1 to 300°/sec; Preset Speed: 540°/sec	Range: 360° endless; Manual Speed: 0.1 to 210°/sec; Preset Speed: 280°/sec
Tilt Range and Speed	Range: -15 to 90°; Manual Speed: 0.1 to 240°/sec; Preset Speed: 540°/sec	Range: -20 to 90°; Manual Speed: 0.1 to 150°/sec; Preset Speed: 250°/sec
Video Output	1 Vp-p Composite Output (75Ω / BNC)	
Presets	300	
Patrol	8 patrols, up to 32 presets per patrol	
Intelligence	Face Detection, Intrusion Detection, Line Crossing Detection, Audio Exception Detection, Region Entrance Detection, Region Exiting Detection, Unattended Baggage Detection, Object Removal Detection, Intelligent Tracking	
Privacy Mask	24 Zones	
Local Storage	Micro SD / SDHC / SDXC Slot (card not included), up to 128GB	
I/O	7 - Input / 2 - Output	
Audio	1 Mic in / Line in interface, Line input: 2-2.4V[p-p]; Output impedance 1kΩ, ±10%; 1 Audio output interface, Line level, Impedance: 600Ω	
Voltage Input	24VAC	
PoE	Hi-PoE	
Operating Temp	-40 to 149°F (-40 to 65°C); Humidity 95% or less (non-condensing)	
Environmental Rating	IP67	IP66
Vandal Rating	IK10	
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI, ISAPI	
Certification	FCC, CE, UL, RCM, REACH, RoHS, WEEE	

TruVision® IP Products

Specialty IP Cameras



360° Panoramic

360° Indoor/Outdoor Dome Cameras



- Up to 10m (33 ft.) IR range
- 2-way audio, built-in mic and speaker
- 360° view angle
- Multiple ePTZ streams with preset and patrol functions.
With multiple streams, each individual stream consumes a separate channel on TruVision NVRs
- 3-year warranty

360° Indoor/Outdoor Dome Cameras Comparison Table

	Indoor		Outdoor	
	3MPx	6MPx	3MPx	6MPx
	TVF-1101/TVF-3101/TVF-1105	TVF-1103/TVF-3103/TVF-1107	TVF-1102/TVF-3102/TVF-1106	TVF-1104/TVF-3101/TVF-1108
				
Sensor	1/3" Progressive Scan, CMOS	1/1.8" Progressive Scan, CMOS	1/3" Progressive Scan, CMOS	1/1.8" Progressive Scan, CMOS
Resolution	2048(H) x 1536(V) @ 30 fps	3072(H) x 2048(V) @ 30fps	2048(H) x 1536(V) @ 30 fps	3072(H) x 2048(V) @ 30fps
Multiple Streaming	High-frame Mode Support: 60Hz: 1 x fisheye (2048 x 1536, 25fps) or (1536 x 1536, 30fps) or 4 x PTZ (800 x 600, 30fps); Multi-channel Mode Support: 60Hz: 1 x fisheye (1536 x 1536, 20fps) and 1 x panoramic (1600 x 1200, 20fps) and 3 x PTZ (800 x 600, 20fps)	High-frame Mode Support: 60Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 30fps) or 4 x PTZ (1024 x 768, 30fps); Multi-channel Mode Support: 60Hz: 1 x fisheye (1280 x 1280, 15fps) and 1 x panoramic (2048 x 1536, 15fps) and 3 x PTZ (1024 x 768, 15fps)	High-frame Mode Support: 60Hz: 1 x fisheye (2048 x 1536, 25fps) or (1536 x 1536, 30fps) or 4 x PTZ (800 x 600, 30fps); Multi-channel Mode Support: 60Hz: 1 x fisheye (1536 x 1536, 20fps) and 1 x panoramic (1600 x 1200, 20fps) and 3 x PTZ (800 x 600, 20fps)	High-frame Mode Support: 60Hz: 1 x fisheye (3072 x 2048, 25fps) or (2048 x 2048, 30fps) or 4 x PTZ (1024 x 768, 30fps); Multi-channel Mode Support: 60Hz: 1 x fisheye (1280 x 1280, 15fps) and 1 x panoramic (2048 x 1536, 15fps) and 3 x PTZ (1024 x 768, 15fps)
Day/Night	True D/N, IR cut filter			
Wide Dynamic Range	WDR (120 dB)	DWDR	WDR (120 dB)	DWDR
Digital S/N Ratio	50 dB			
IP Compression/Standard	H.264 / MJPEG			
Minimum Illumination	0.1 lux @ (f1.2, AGC On); 0.28 lux @ (f 2.0, AGC On); 0 lux with IR On	0.05 lux @ (f1.2, AGC On); 0.3 lux @ (f 2.8, AGC On); 0 lux with IR On	0.1 lux @ (f1.2, AGC On); 0.28 lux @ (f 2.0, AGC On); 0 lux with IR On	0.05 lux @ (f1.2, AGC On); 0.3 lux @ (f 2.8, AGC On); 0 lux with IR On
Lens	1.19mm @ f2.0	1.27mm @ f2.8	1.19mm @ f2.0	1.27mm @ f2.8
IR Range	Up to 33 ft. (10m)			
Local Storage	Micro SD / SDXC slot, up to 64GB			
Intelligence	Motion Detection, Tamper, Storage Exception, Heat Mapping			
I/O	--			
Audio	Bi-directional, built-in speaker & mic			
Standard & Integration	ONVIF® (Profile S), PSIA, CGI			
Voltage Input	12VDC / PoE (IEEE 802.3af)			
Operating Temp	-22 to 140°F (-30 to 60°C)			
Environmental Rating	--	--	IP66	IP66
Vandal Rating	--	--	IK10	IK10
Certification	FCC, CE, UL, REACH, RoHS, WEEE			

Specialty IP Cameras Ordering Information

360° INDOOR/OUTDOOR DOME CAMERAS

PAL

TVF-1101 TVF-1105 (white version)	TruVision 360° Dome, 3MPx, WDR, 1.19mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC
TVF-1102 TVF-1106 (white version)	TruVision 360° Dome, 3MPx, WDR, 1.19mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC, IP66, IK10
TVF-1103 TVF-1107 (white version)	TruVision 360° Dome, 6MPx, DWDR, 1.27mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC
TVF-1104 TVF-1108 (white version)	TruVision 360° Dome, 6MPx, DWDR, 1.27mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/2VDC, IP66, IK10

NTSC

TVF-3101	TruVision 360° Dome, 3MPx, WDR, 1.19mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC
TVF-3102	TruVision 360° Dome, 3MPx, WDR, 1.19mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC, IP66, IK10
TVF-3103	TruVision 360° Dome, 6MPx, DWDR, 1.27mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC
TVF-3104	TruVision 360° Dome, 6MPx, DWDR, 1.27mm Fisheye Lens, True D/N, 10m IR, 2-Way Audio (built-in mic & speaker), SD/SDHC Slot, PoE (802.3af)/12VDC, IP66, IK10

Specialty IP Cameras



Covert

1.3MPx Covert IP Camera



- 1/3" CMOS image sensor
- Embedded video intelligence: cross line, intrusion, de-focus and face detection capabilities
- Up to 120dB WDR
- Region of Interest (ROI) function and bi-directional audio
- 3-year warranty

1.3MPx Covert IP Camera Comparison Table

	Indoor Covert IP Camera	
	1.3MPx	
	TVA-1101 / TVA-3101	
Sensor	1/3" Progressive Scan, CMOS	
Resolution	1280(H) x 960(V) @ 30fps	
Multiple Streaming	Triple	
Day/Night	Digital D/N	
Wide Dynamic Range	WDR (120 dB)	
Digital S/N Ratio	50 dB	
IP Compression/Standard	H.264 / MPEG4 / MJPEG	
Minimum Illumination	Color: 0.01 lux @ (f1.2, AGC ON)	
Lens	2mm @f2.0 or 3.7mm @ f2.3 or 4mm @ f2.0	
Local Storage	Micro SD / SDHC / SDXC slot, up to 128GB	
Intelligence	Motion Detection, Tamper Proof, Privacy Mask, Face Detection, Audio Exception Detection, Cross Line, Intrusion Detection, De-focus Detection, Scene Change Detection	
I/O	1 Input / 1 Output	
Audio	Input: 1 ch. 3.5mm audio interface (2.0-2.4 Vp-p, 1KΩ); Output: 1 ch. 3.5mm audio interface (Line level, 600Ω)	
Standard & Integration	ONVIF® (Profile S), PSIA, CGI	
Voltage Input	12VDC / PoE (IEEE 802.3af)	
Operating Temp	-22 to 140°F (-30°C~60°C)	
Environmental Rating	Indoor	
Vandal Rating	--	
Certification	FCC, CE, UL, C-Tick, REACH, RoHS, WEEE	



Covert Lens Comparison Table

	TVL-0101	TVL-0102	TVL-0103	TVL-0104	TVL-0105	TVL-0106	TVL-0107	TVL-0108	TVL-0109	TVL-0110
Lens Type	Pinhole, 3.7mm @ f2.3	L-Shape, 3.7mm @ f2.3	Cylinder, 4mm @ f2	Pinhole, 3.7mm @ f2.3	L-Shape, 3.7mm @ f2.3	Cylinder, 4mm @ f2	L-shape, 2.0mm @ f2.0	Cylinder, 2.0mm @ f2.0	L-shape, 2.0mm @ f2.0	Cylinder, 2.0mm @ f2.0
Field of View (FOV)	57°		73°	57°		73.1°	115°	120°	115°	120°
Connection	RJ12									
Cable Length	6.5 ft (2m)			26.2 ft. (8m)			6.5 ft (2m)		26.2 ft. (8m)	
Dimensions	1.02 x 1.58 in. (26 x 40mm)	1.46 x 1.02 x 0.98 in. (37 x 26 x 25mm)	1.02 x 2 in. (26 x 51mm)	1.02 x 1.58 in. (26 x 40mm)	1.46 x 1.02 x 0.98 in. (37 x 26 x 25mm)	1.02 x 2 in. (26 x 51mm)	1.92 x 1.21 x 1.24 in. (48.7 x 30.7 x 31.5mm)	1.02 x 2 in. (26 x 51mm)	1.92 x 1.21 x 1.24 in. (48.7 x 30.7 x 31.5mm)	1.02 x 2 in. (26 x 51mm)
Weight	0.25 lbs. (113g)	0.22 lbs. (99g)	0.28 lbs. (127g)	0.51 lbs. (231g)	0.49 lbs. (222g)	0.53 lbs. (240g)	0.53 lbs. (240g)	0.28 lbs. (127g)	0.28 lbs. (127g)	0.53 lbs. (240g)
Storage Temperature	-4 to 158°F (-20 to 70°C)									
Operating Temperature	-22 to 140°F (-30 to 60°C)									

Specialty IP Products Ordering Information

1.3MPx COVERT IP CAMERA*

PAL	
TVA-1101	TruVision Covert Camera, 1.3MPx, WDR, Digital D/N, Single Lens, Audio, Alarm, SD/SHDC/SDXC Slot, Intelligence, PoE (802.3-af)/12VDC, PAL
NTSC	
TVA-3101	TruVision Covert Camera, 1.3MPx, WDR, Digital D/N, Single Lens, Audio, Alarm, SD/SHDC/SDXC Slot, Intelligence, PoE (802.3-af)/12VDC, NTSC

*Lenses ordered separately

COVERT LENS OPTIONS

TVL-0101	TruVision Covert Lens, 1.3MPx, Pinhole, 3.7mm, 2m Cable
TVL-0102	TruVision Covert Lens, 1.3MPx, L-shape, 3.7mm, 2m Cable
TVL-0103	TruVision Covert Lens, 1.3MPx, Cylinder, 4mm, 2m Cable
TVL-0104	TruVision Covert Lens, 1.3MPx, Pinhole, 3.7mm, 8m Cable
TVL-0105	TruVision Covert Lens, 1.3MPx, L-shape, 3.7mm, 8m Cable
TVL-0106	TruVision Covert Lens, 1.3MPx, Cylinder, 4mm, 8m Cable
TVL-0107	TruVision Covert Lens, 1.3MPx, L-shape, 2mm, 2m Cable
TVL-0108	TruVision Covert Lens, 1.3MPx, Cylinder, 2mm, 2m Cable
TVL-0109	TruVision Covert Lens, 1.3MPx, L-shape, 2mm, 8m Cable
TVL-0110	TruVision Covert Lens, 1.3MPx, Cylinder, 2mm, 8m Cable

TruVision® IP Products

Specialty IP Cameras



IP Wi-Fi® IR Cameras

IP Wi-Fi IR Cameras



- 1080p resolution
- H.264 compression technology
- True day/night functionality
- Infrared illumination
- Supports IEEE 802.1b/g/n Wi-Fi standards
- Encryption security support for 64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS wireless
- 3-year warranty

Specialty IP Cameras Ordering Information

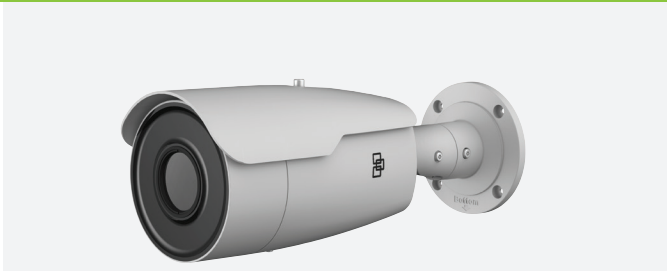
IP Wi-Fi IR CAMERAS

TVB-8101	TruVision 1080p, NTSC/PAL, Wi-Fi, Outdoor Bullet, Gray, True D/N, H.264, PSIA/ONVIF®/CGI, 20m IR, 4mm Fixed Lens, PoE/12VDC
TVQ-8101	TruVision 1080p, NTSC/PAL, Wi-Fi, Indoor Desktop, White, True D/N, H.264, PSIA, ONVIF/CGI, Audio, 10m IR, 2.0mm @ f2.0, PoE/12VDC

IP Wi-Fi IR Cameras Comparison Table

	TVB-8101	TVQ-8101
		
Sensor	1/2.8"	
Max Resolution	1080p	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	DWDR (85 dB)	
Digital S/N Ratio	50 dB (AGC Off)	
IP Compression/Standard	H.264 (Main profile) / MJPEG	
Minimum Illumination	0.01 lux @ (f1.2, AGC On); 0 lux with IR On	
Lens	4.0mm @ f2.0	2.0mm @ f2.0
IR Range	66 ft. (20m)	33 ft. (10m)
Local Storage	Micro SD / SDXC slot, up to 128GB	
Intelligence	Motion Detection, Tamper Detection, Privacy Mask, Cross Line, Intrusion Detection	
I/O	--	
Audio	--	Built-in mic and speaker
Audio Bit Rate (Protocol)	--	64 Kbps (G.711) / 16 Kbps (G.726) / 32-128 Kbps (MP2L2)
Standard & Integration	ONVIF® (Profile S), PSIA, CGI	
Wi-Fi Standards	IEEE802.11b, 802.11g, 802.11n	
Wi-Fi Frequency Range	2.4 GHz to 2.4835 GHz (Ch. 1 to 11)	
Wi-Fi Range	~164 ft. (50m) in direct line-of-sight	
Security	64/128-bit WEP, WPA/WPA2, WPA-PSK/WPA2-PSK, WPS	
Voltage Input	12VDC / PoE (IEEE 802.3af)	
Operating Temp	-22 to 140°F (-30 to 60°C)	-4 to 140°F (-20 to 60°C)
Environmental Rating	IP66	--
Certification	R&TTE, FCC, CE, UL, RCM, REACH, RoHS, WEEE	

Specialty IP Cameras



Thermal

IP Thermal Cameras Ordering Information

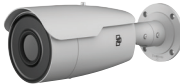
TVB-5701	TruVision IP Thermal Bullet Camera, Outdoor, CIF, 15mm Lens, 3D DNR, H.265/H.264, ONVIF®/PSIA, SDHC Card Slot, PoE+/12VDC/24VAC
TVB-5702	TruVision IP Thermal Bullet Camera, Outdoor, CIF, 35mm Lens, 3D DNR, H.265/H.264, ONVIF®/PSIA, SDHC Card Slot, PoE+/12VDC/24VAC
TVB-5706	TruVision IP Thermal Bullet Camera, Outdoor, VGA, 15mm Lens, 3D DNR, H.265/H.264, ONVIF®/PSIA, SDHC Card Slot, PoE+/12VDC/24VAC
TVB-5707	TruVision IP Thermal Bullet Camera, Outdoor, VGA, 25mm Lens, 3D DNR, H.265/H.264, ONVIF®/PSIA, SDHC Card Slot, PoE+/12VDC/24VAC

IP Thermal Cameras



- Uncooled thermal sensor
- H.265/H.264/MJPEG compression technology
- Dual streaming
- Long range object detection
- Embedded analytics for perimeter protection applications
- PoE+ support
- SD card support for edge storage
- 3-year warranty

IP Thermal Cameras Comparison Table

	IP Thermal			
	TVB-5701	TVB-5702	TVB-5706	TVB-5707
				
Sensor	Vanadium Oxide Uncooled Focal Plane Arrays			
Resolution	384(H) x 288(V) @ 25fps		640(H) x 512(V) @ 25fps	
Spectral Range	8μm to 14μm			
Sensitivity	NETD < 50 mk			
Multiple Streaming	Triple			
Mrad	1.13	0.49	1.13	0.68
Digital S/N Ratio	3DNR			
IP Compression/Standard	H.265 / H.264 / MJPEG			
Lens	15mm @ f1.0	35mm @ f1.0	15mm @ f1.0	25mm @ f1.0
Min. Focal Distance	2.5m	40m	2.5m	13m
Max. Detection Range	Vehicle: 4439 ft. (1353m) Human: 1447 ft. (441m)	Vehicle: 10,357 ft. (3157m) Human: 3376 ft. (1029m)	Vehicle: 4439 ft. (1353m) Human: 1447 ft. (441m)	Vehicle: 7398 ft. (2255m) Human: 2411 ft. (735m)
Max. Recognition Range	Vehicle: 1109 ft. (338m) Human: 361 ft. (110m)	Vehicle: 2588 ft. (789m) Human: 843 ft. (257m)	Vehicle: 1109 ft. (338m) Human: 361 ft. (110m)	Vehicle: 1850 ft. (564m) Human: 603 ft. (184m)
Max. Identification Range	Vehicle: 554 ft. (169m) Human: 180 ft. (55m)	Vehicle: 1296 ft. (395m) Human: 423 ft. (129m)	Vehicle: 554 ft. (169m) Human: 180 ft. (55m)	Vehicle: 925 ft. (282m) Human: 302 ft. (92m)
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB			
Intelligence	Motion, Privacy Masking, Intrusion Detection, Audio Exception Detection, Region Entrance Detection, Region Exiting Detection, Temperature Measurement, Fire Source Detection			
I/O	2 - Inputs / 2 - Outputs			
Audio	1 Mic in / Line in interface, Line input: 2-2.4V[p-p]; Output impedance: 1KΩ, ±10% / 1 Audio output interface, Line level, Impedance: 600Ω			
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI			
Voltage Input	12VDC / 24VAC / PoE+ (IEEE 802.3at)			
Operating Temp	-40 to 140°F (-40 to 65°C), Humidity <90% (non-condensing)			
Environmental Rating	IP66			
Certification	CE, FCC, RCM, REACH, RoHS, UL, WEEE			

TruVision® IP Products

Specialty IP Cameras



Stainless Steel Box

IP Stainless Steel Box Camera



- 2MPx resolution
- H.265/H.264/MJPEG compression technology
- 3.8 to 16mm or 11 to 40mm varifocal (select models)
- True day/night
- Integrated motion detection and privacy masking
- Tubular stainless steel design
- 50m or 100m IR range (select models)
- 3-year warranty



Stainless Steel Dome

IP Stainless Steel Dome Camera



- 2MPx resolution
- H.265/H.264/MJPEG compression technology
- 2.8 to 12mm motorized varifocal lens
- Triple streaming
- True day/night
- 98 ft. (30m) IR range
- IP67 environmental rating
- 3-year warranty



Stainless Steel PTZ

IP Stainless Steel PTZ Camera



- 2MPx resolution
- H.264/MJPEG compression technology
- Triple streaming
- True day/night
- WDR
- Enhanced super low light performance
- 23X optical (16X digital)
- 3-year warranty

IP Stainless Steel Box Cameras Specifications

	Varifocal Lens	
	2MPx	
	TVB-5801	TVB-5802
		
Sensor	1/1.8" Progressive Scan, CMOS	
Max Resolution	2MPx	
Multiple Streaming	Triple	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	WDR (120 dB)	
Digital S/N Ratio	52 dB (AGC Off)	
IP Compression/Standard	H.264 / H.265 / MJPEG	
Minimum Illumination	Color: 0.002 lux @ (f1.2, AGC On); B/W: 0.0002 lux @ (f1.2, AGC On)	
Lens Type	3.8 to 16mm @ f1.4	11 to 40mm @ f1.4
IR Range	164 ft. (50m)	328 ft. (100m)
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB	
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	
I/O	1 Input / 1 Output	
Audio	Audio in / Mic in (line level) / Audio out (line level)	
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI	
Voltage Input	24VAC	
Material	316 L	
Operating Temp	-40 to 140°F (-40 to 60°C)	
Environmental Rating	IP67	
Certification	CE, FCC, REACH, RoHS, UL, WEEE	

IP Stainless Steel Dome Camera Specifications

	Varifocal Lens (Motorized)	
	2MPx	
	TVD-5801	
		
Sensor	1/1.8" Progressive Scan, CMOS	
Max Resolution	1920(H) x 1080(V) @ 30 fps	
Multiple Streaming	Triple	
Day/Night	True D/N, IR cut filter	
Wide Dynamic Range	WDR (120 dB)	
Digital S/N Ratio	52 dB (AGC Off)	
IP Compression/Standard	H.264 / H.265 / MJPEG	
Minimum Illumination	Color: 0.002 lux @ (f1.2, AGC On); 0 lux with IR	
Lens Type	2.8 to 12mm (motorized)	
IR Range	98 ft. (30m)	
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB	
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, Privacy Mask	
I/O	1 Input / 1 Output	
Audio	Audio in (Mic in - line level) / Audio out	
Standard & Integration	ONVIF® (Profile S, G), PSIA, CGI	
Voltage Input	12VDC, PoE+ (802.3at)	
Operating Temp	-40 to 140°F (-40 to 65°C)	
Environmental Rating	IP67	
Certification	FCC, CE, UL, WEEE, RoHS, REACH	

TruVision® IP Products

IP Stainless Steel Dome Camera Specifications

	Indoor / Outdoor
	2MPx
	TVP-5201
	
Sensor	1/1.9" Progressive Scan, CMOS
Max Resolution	1920(H) x 1080(V) @ 60 fps
Multiple Streaming	Triple
Day/Night	True D/N, IR cut filter
Wide Dynamic Range	WDR (120 dB)
Digital S/N Ratio	> 55 dB (AGC Off)
Electronic Shutter	1 s to 1/30,000 s
IP Compression/Standard	H.264 / MJPEG
Minimum Illumination	Color: 0.002 lux @ (f1.5, AGC On); B/W: 0.0002 lux @ (f1.5, AGC On)
Lens Type	5.9 to 135.7mm @ f1.5 to f3.4
Zoom Range	23X (Optical), 16X (Digital)
Pan Range and Speed	Range: 360° endless; Manual Speed: 0.1 to 300°/sec; Preset Speed: 540°/sec
Tilt Range and Speed	Range: -20 to 90°; Manual Speed: 0.1 to 240°/sec; Preset Speed: 400°/sec
Video Output	960H Analog
Presets	300
Patrol	8 patrols, up to 32 presets per patrol
Intelligence	Face Detection, Intrusion Detection, Line Crossing Detection, Audio Exception Detection, Region Entrance Detection, Region Exit Detection, Auto Tracking
Privacy Mask	24 Zones
Local Storage	Micro SD / SDHC / SDXC slot (card not included), up to 128GB
I/O	7 - Inputs / 2 - Outputs
Audio	1 Mic in / Line in interface, 1 Audio output interface
Voltage Input	24VAC
PoE	Hi PoE
Operating Temp	-40 to 149°F (-40 to 65°C), Humidity 95% or less (non-condensing)
Environmental Rating	IP67
Vandal Rating	IK10
Standard & Integration	ONVIF® (Profile G/S), PSIA, CGI, ISAPI
Certification	FCC, CE, UL, WEEE, RoHS, REACH

IP Stainless Steel Cameras Ordering Information

2MPX IP STAINLESS STEEL BOX CAMERAS

TVB-5801	TruVision® Stainless Steel Housing with 2MPx, Super Low Light IP VF Lens Box Camera, 3.8-16mm, True D/N, WDR, 50m IR, Micro SD/SDHC/SDXC Slot, 24VAC, IP67
TVB-5802	TruVision Stainless Steel Housing with 2MPx, Super Low Light IP VF Lens Box Camera, 11-40mm, True D/N, WDR, 100m IR, Micro SD/SDHC/SDXC Slot, 24VAC, IP67

2MPX IP STAINLESS STEEL DOME CAMERA

TVD-5801	TruVision 2MP, Stainless Steel Dome, H.265/H.264, 2.8-12mm Motorized Lens, Super Low Light, True D/N, WDR, 30m IR, Micro SD/SDHC/SDXC Slot, Audio, I/O, PoE+ (802.3at)/12VDC, IP67
-----------------	--

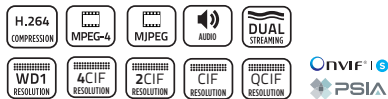
2MPX IP STAINLESS STEEL PTZ CAMERA

TVP-5201	TruVision 2MPx, Stainless Steel PTZ, 23X Optical Zoom, Pendant/Wall Mount, Super Low Light, True D/N, WDR, H.264, Alarm, Audio, Micro SD/SDHC/SDXC Slot, Hi-PoE (Max. 60W)/24VAC, IP67, IK10, SS Junction Box Included
-----------------	---

Encoders and Decoders

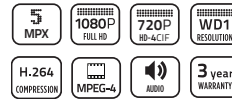


TVE Series IP Video Encoders



- 1-, 4-, 8- and 16-channel encoders
- Supports H.264, MPEG4 and MJPEG compression
- Encoding resolution 960H, 4CIF, 2CIF, CIF and QCIF
- Dual-streaming functionality
- ONVIF Profile S, PSIA and CGI support
- Bi-directional audio support
- Alarm input/output support
- 3-year warranty

High Definition IP Video Decoder



- Multi-channel decoder
- Choice between three video outputs (HDMI, VGA and BNC)
- Full HD output
- Views based on alarm activity
- Sequence up to 64 cameras
- Real-time decoding
- Supports up to 16-channel views on one display
- 3-year warranty

ENCODERS	
TVE-110	TruVision® IP Encoder, 1-Channel, 960H, Audio, Alarm, RS-485, PoE (802.3-af) / 12VDC, Compact
TVE-410	TruVision IP Encoder, 4-Channel, 960H, Audio, Alarm, RS-485, PoE (802.3-af) / 12VDC, Compact
TVE-810	TruVision IP Encoder, 8-Channel, 960H, Audio, Alarm, RS-485, 12VDC, Desktop
TVE-1610	TruVision IP Encoder, 16-Channel, 960H, Audio, Alarm, RS-485, 12VDC, 19", Rack Mount
TVE-RMB	TruVision Encoder Rack Mount Bracket (use with TVE-110/410/810)

DECODER	
TVE-DEC11	TruVision IP Video Decoder to BNC, HDMI and VGA Output, Audio, Alarm, 12VDC

IP/PoE NVR & Megapixel Camera Kits

The TruVision NVR 11 IP video kit from Interlogix provides a complete, cost-effective surveillance solution that is also incredibly easy to install. Available in 4-, 8- and 16-channel configurations, each kit includes four TruVision cameras with no IP configuration or programming required.

NVR 11 and Megapixel Camera IP Video Kits



Quick & Easy Installation

- 1 Install cameras
- 2 Connect them to the NVR
- 3 Power up the NVR

- A complete "all-in-one" IP video solution
- Plug-and-Play camera auto-configuration
- Built-in PoE ports to power cameras
- HD performance at an analog system price

NVR Features

- Easy front panel direct channel selection
- Monitor/Mouse ports – No PC required
- Continuous, motion or scheduled recording modes
- Event recording
- Out of the box intrusion-video integration
- One-push Archive button to USB drive
- Up to 8 built-in PoE ports
- 40 or 80Mbps bandwidth
- 1 or 2TB of storage

Camera Features

- 2MPx Bullet, Turret or Wedge IR Cameras
- 4MPx Wedge IR Camera option
- H.264 or H.265 compression
- WDR
- True day/night
- Indoor/Outdoor - IP66 or IP67 rated depending on model
- PoE/12VDC
- Supports ONVIF® open standard

Video Software

- TruVision Navigator
- TVRMobile App
- TruVision Device Finder

NVR 11 and Megapixel Camera IP Video Kits

4-Channel IP Video Kits

Model	Description	NVR	Cameras
TVN-1104-KB2 	4-Channel NVR w/4 2MPx (4mm) IR Bullet Cameras Video Kit	1 x TVN-1104cS-1T : 4-Channel NVR 11 Compact w/Built-in 4-Port PoE Switch, 1TB Storage	4 x TVB-5601 : 2MPx, H.265/H.264, Low Light, 4mm Fixed Lens, IR Bullet Cameras
TVN-1104-KT1 	4-Channel NVR w/4 2MPx (2.8mm) IR Turret Cameras Video Kit	1 x TVN-1104cS-1T : 4-Channel NVR 11 Compact w/Built-in 4-Port PoE Switch, 1TB Storage	4 x TVT-5601 : 2MPx, H.265/H.264, Low Light, 2.8mm Fixed Lens, IR Turret Cameras
TVN-1104-KW2 	4-Channel NVR w/4 2MPx (2.8mm lens) IR Wedge Cameras Video Kit	1 x TVN-1104cS-1T : 4-Channel NVR 11 Compact w/Built-in 4-Port PoE Switch, 1TB Storage	4 x TWW-5602 : 2MPx, H.265/H.264, Low Light, 2.8mm Fixed Lens, IR Wedge Cameras

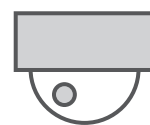
8-Channel IP Video Kits

TVN-1108-KB2 	8-Channel NVR w/4 2MPx (4mm) IR Bullet Cameras Video Kit	1 x TVN-1108S-2T : 8-Channel NVR 11 w/ Built-in 8-Port PoE Switch, 2TB Storage	4 x TVB-5601 : 2MPx, H.265/H.264, Low Light, 4mm Fixed Lens, IR Bullet Cameras
TVN-1108-KT1 	8-Channel NVR w/4 2MPx (2.8mm) IR Turret Cameras Video Kit	1 x TVN-1108S-2T : 8-Channel NVR 11 w/ Built-in 8-Port PoE Switch, 2TB Storage	4 x TVT-5601 : 2MPx, H.265/H.264, Low Light, 2.8mm Fixed Lens, IR Turret Cameras
TVN-1108-KW2 	8-Channel NVR w/4 2MPx (2.8mm) IR Wedge Cameras Video Kit	1 x TVN-1108S-2T : 8-Channel NVR 11 w/ Built-in 8-Port PoE Switch, 2TB Storage	4 x TWW-5602 : 2MPx, H.265/H.264, Low Light, 2.8mm Fixed Lens, IR Wedge Cameras



Unified control for maximum security.

TruVision® Navigator brings video, access control, intrusion and transmission together as one integrated solution.



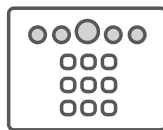
 **truVision**

Easy to install and operate, TruVision cameras, recorders, monitors and interfaces bring the benefits of digital monitoring to commercial applications.



truPortal

Ideal for small to mid-size applications, TruPortal™ access control systems are easy to configure and simple to use.



ultraSync

The UltraSync® Modular Hub brings together multiple components to create a flexible, scalable and customizable intrusion system.



ifs

IFS® products provide efficient, effective media transmission to meet modern surveillance challenges and demanding security environments.

HD-Hybrid Digital Video Recorders

TruVision's HD-TVI technology delivers up to 5MPx high definition quality video over standard analog coax cable. These recorders are a true hybrid design supporting a combination of standard analog, HD-TVI and IP cameras.



High Definition Hybrid Recorder



High Definition Hybrid Recorder

DVR 15HD Series



- 4-, 8- or 16-channel real-time recording
- Connect standard, HD-TVI or IP cameras
- TVI over coax technology supports up to 5MPx resolution on 1/4th of the channels
- High definition TVI cameras can be used with standard RG59 coax cable
- Swap analog channels for IP cameras
- Up to 12TB internal storage
- HDMI port for local high definition viewing
- Out of the box intrusion-video integration

DVR 45HD Series



- 8- or 16-channel real-time recording
- Connect standard or HD-TVI cameras
- TVI over coax technology supports up to 5MPx resolution on 1/4th of the channels
- High definition TVI cameras can be used with standard RG59 coax cable
- Easy full channel one-for-one exchange for analog to IP cameras
- User-serviceable internal hard disk drives are accessible via the drop-down front panel
- Up to 24TB internal storage
- HDMI ports for local high definition viewing
- Out of the box intrusion-video integration

High-definition video made easy



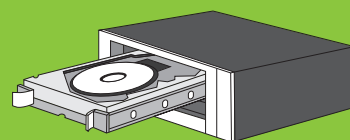
Analog to IP Migration

Protects your cabling investment by supporting analog, HD-TVI and IP cameras.



HD Video over Existing Coax

Reduce installation and cabling costs using existing analog coax cable to record and view up to 5MPx HD video.



Expandable Storage

Drop-down, lockable front panel provides convenient direct access to camera channels and controls, as well as user-accessible storage expansion. (DVR 45HD Only)

Analog/Hybrid Digital Video Recorders Comparison Table

		DVR 15cHD	DVR 15HD	DVR 45HD
Channels & Performance	Analog channels	4	8/16	8/16
	Maximum IP channels	4	8/16	8/16
	Real-time recording	Full HD 1080p	Full HD 1080p	Full HD 1080p
	Max resolution analog / IP	5MPx / 4MPx	5MPx / 4MPx	5MPx / 4MPx
	Audio channels analog	4	4	4
Network & Streaming	Ethernet ports	(1) 10/100 Mbps	(1) 10/100/1000 Mbps	(2) 10/100/1000 Mbps
	DDNS	•	•	•
	Maximum outgoing video streams	128	128	128
	Maximum in/out combined bandwidth (Mbps)	96	128	200/260
	ONVIF	•	•	•
Storage	Max storage (TB)	4	8/12	24
	SATA interfaces	1	2	4
	HDD redundancy	—	—	•
	Front side accessible HDDs	—	—	•
	Expandable internal storage	—	—	•
	eSATA support	—	—	•
	NAS support	•	•	•
	Dual stream recording	—	—	•
	Auto archive	—	—	•
Local Viewing & Controls	Front panel controls	•	•	•
	Browser interface	•	•	•
	HDMI	•	•	•
	VGA	•	•	•
	BNC output	Event Only	Event Only	Event Only
	Bidirectional audio	•	•	•
	Alarm input/output	4/1	8-ch: 8/4; 16-ch: 16/4	16/4
	Keypad support	TVK-800	TVK-800	TVK-800
	USB slots	2	2	(2) USB 2.0, (1) USB 3.0
General Features	Analytics on analog channels	Max. 2 ch	Max. 2 ch	Max. 2 ch
	Text insertion	—	—	2.1 and above
	CD/DVD burner	Via USB	Via USB	Via USB
	Reverse playback	•	•	•
	Size	1U	1U	1.5U
	Rack mountable	—	•	•
Software Support	TruVision Navigator	•	•	•
	TVRMobile	•	•	•
	Advisor Manager®	V.2016 and above	V.2016 and above	V.2016 and above
	OnGuard®	V. 7.3 and above	V. 7.3 and above	V. 7.3 and above
	TruPortal™	V.1.72.100	V.1.72.100	V.1.72.100

Analog/HD-Hybrid Video Recorders Ordering Information

DVR 15cHD	
TVR-1504CHD-1T	TruVision® DVR 15HD Hybrid, 3-5MPx HD, 4 Channels, 1TB Storage
TVR-1504CHD-2T	TruVision® DVR 15HD Hybrid, 3-5MPx HD, 4 Channels, 2TB Storage
TVR-1504CHD-4T	TruVision® DVR 15HD Hybrid, 3-5MPx HD, 4 Channels, 4TB Storage
TVR-1508HD-2T	TruVision DVR 15HD, HD Hybrid, 8 channel, 100% IP, 2T
TVR-1508HD-4T	TruVision DVR 15HD, HD Hybrid, 8 channel, 100% IP, 4T
TVR-1508HD-8T	TruVision DVR 15HD, HD Hybrid, 8 channel, 100% IP, 8T
TVR-1516HD-2T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 2T
TVR-1516HD-4T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 4T
TVR-1516HD-6T	TruVision DVR 15, HD Hybrid, 16 channel, 6TB
TVR-1516HD-8T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 8T
TVR-1516HD-12T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 12T
DVR 15HD	
TVR-1508HD-2T	TruVision DVR 15HD, HD Hybrid, 8 channel, 100% IP, 2T
TVR-1508HD-4T	TruVision DVR 15HD, HD Hybrid, 8 channel, 100% IP, 4T
TVR-1508HD-8T	TruVision DVR 15HD, HD Hybrid, 8 channel, 100% IP, 8T
TVR-1516HD-2T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 2T
TVR-1516HD-4T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 4T
TVR-1516HD-6T	TruVision DVR 15, HD Hybrid, 16 channel, 6TB
TVR-1516HD-8T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 8T
TVR-1516HD-12T	TruVision DVR 15HD, HD Hybrid, 16 channel, 100% IP, 12T
DVR 45HD	
TVR-4508HD-2T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 2TB (1x 2TB)
TVR-4508HD-4T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 4TB (2x 2TB)
TVR-4508HD-6T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 6TB (3x 2TB)
TVR-4508HD-8T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 8TB (4x 2TB)
TVR-4508HD-12T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 12TB (3x 4TB)
TVR-4508HD-16T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 16TB (4x 4TB)
TVR-4508HD-18T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 18TB (3x 6TB)
TVR-4508HD-24T	TruVision DVR 45HD, HD hybrid, 8 channel, 100% IP, 24TB (4x 6TB)
TVR-4516HD-2T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 2TB (1x 2TB)
TVR-4516HD-4T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 4TB (2x 2TB)
TVR-4516HD-6T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 6TB (3x 2TB)
TVR-4516HD-8T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 8TB (4x 2TB)
TVR-4516HD-12T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 12TB (3x 4TB)
TVR-4516HD-16T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 16TB (4x 4TB)
TVR-4516HD-18T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 18TB (3x 6TB)
TVR-4516HD-24T	TruVision DVR 45HD, HD hybrid, 16 channel, 100% IP, 24TB (4x 6TB)

TruVision® HD/Analog Products

Analog Cameras

TruVision analog camera line support standard analog, 960H and HD-TVI technology. TruVision's HD-TVI technology delivers up to 5MPx high definition quality video over standard analog coax cable.

HD-TVI / Analog Cameras



HD-TVI Analog Cameras



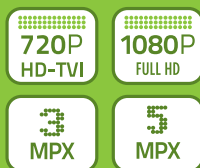
- Box, Bullet, Dome, Turret and Wedge form factors
- 720p, 1080p, 3MPx, 5MPx HD resolutions
- Select modules also support 960H resolution
- 720p models provide DWDR; 1080p and 3MPx models provide True WDR (120 dB)
- True Day/Night functionality and IR Illuminators with Smart IR function on select models
- 3-year warranty

Value-line Cameras



- 700TVL or 720 TVL resolution
- Up to 66 ft. (20m) or 132 ft. (40m ft.) IR Illumination for optimal viewing
- IP66 rated enclosure
- IR Cut Filter with auto switch
- Cost-effective and easy to install
- 3-year warranty

Performance, flexibility and ease of use



Improved Performance

HD-TVI cameras provide up to 5MPx video resolution with exceptional low-light performance under dynamic conditions.



Multiple Form-factor Choices

Solutions to meet a variety of operating conditions, from fixed and varifocal choices, form-factor styles and indoor/outdoor environments.



Easy to install

Designed to be installed quickly and easily. Many cameras install with just two screws. Select models offer OSD control and built-in cable protection/management.

HD-TVI Cameras Specifications

The TruVision® line includes a comprehensive family of HD-TVI infrared (IR) cameras for stand-alone or integrated installations, designed for up to 3MPx image quality over existing coaxial cable.

	Box Camera
	1080p
	TVC-2401/TVC-4401
	
Sensor	1/3" Progressive Scan, CMOS
Standard	HD-TVI
Resolution	1080p
Effective Pixels	1920(H) x 1080(V)
Synchronization	Internal
Electronic Shutter	NTSC: 1/30 s to 1/50,000 s; PAL: 1/25 s to 1/50,000 s
Digital S/N Ratio	52 dB (AGC Off)
Lens Type	C/CS (with auto back focus)
Day/Night	True D/N, IR cut filter
Wide Dynamic Range	120 dB
Minimum Illumination	Color: 0.01 lux @ (f1.2, AGC On); B/W: 0.001 lux @ (f1.2, AGC On)
Video Output	Dual output: HD-TVI and 960H Composite (when WDR is enabled, 960H output will be disabled)
Voltage Input	12VDC / 24VAC
Power Consumption	12W (max.)
Operating Temp	12VDC: -22 to 140°F (-30 to 60°C); 24VAC: -22 to 140°F (-30 to 60°C)
Certification	UL, CE, FCC, C-Tick, REACH, RoHS, WEEE

	Wedge Camera
	1080p
	TVW-6101
	
Sensor	2MPx Progressive CMOS
Standard	HD-TVI or 960H Analog
Resolution	HD-TVI 1080p or 960H Analog
Effective Pixels	1920(H) x 1080(V)
Synchronization	Internal
Electronic Shutter	NTSC: 1/30 s to 1/50,000 s; PAL: 1/25 s to 1/50,000 s
Digital S/N Ratio	62 dB (AGC Off)
Lens	2.8mm @ f1.2
Day/Night	True D/N, IR cut filter
Wide Dynamic Range	WDR (120 dB) with HD-TVI output
Minimum Illumination	0.05 lux @ (f1.2, AGC On); 0 lux with IR On
IR Range	33 ft. (10m)
Video Output	960H or TVI Selectable - output
Voltage Input	12VDC
Power Consumption	3.5W
Operating Temp	-40 to 140°F (-40 to 60°C)
Certification	FCC, CE, WEEE, UL, RoHS, REACH

	Turret Cameras			
	3MPx		5MPx	
	TVT-2401/TVT-4401	TVT-2402/TVT-4402	TVT-2403/TVT-4403	TVT-2404/TVT-4404
				
Sensor	1/3" Progressive Scan, CMOS		5MPx Progressive Scan, CMOS	
Standard	HD-TVI			
Resolution	3MPx Analog		5MPx Analog	
Effective Pixels	2052(H) x 1536(V)		2592(H) x 1944(V)	
Synchronization	Internal			
Electronic Shutter	NTSC: 1/30 s to 1/50,000 s; PAL 1/25 s to 1/50,000 s			
Digital S/N Ratio	>62 dB			
Lens	2.8mm fixed	2.8 to 12mm motorized VF	3.6mm fixed	2.8 to 12mm motorized VF
Day/Night	True D/N, IR cut filter			
Wide Dynamic Range	> 120 dB		DWDR	
Minimum Illumination	0.01 lux @ (f1.2, AGC On); 0 lux with IR On			
IR Range	66 ft. (20m)	132 ft. (40m)	66 ft. (20m)	132 ft. (40m)
Video Output	3MPx TVI or 960H Analog		5MPx or 1080p TVI (only selectable via OSD when connected to 5MPx TVI)	
Voltage Input	12 VDC			
Operating Temp	-40 to 140°F (-40 to 60°C), Humidity <90% (non-condensing)			
Environmental Rating	IP66		IP67	
Certification	FCC, CE, UL, REACH, RoHS, WEEE			

TruVision® HD/Analog Products

	Bullet Cameras					
	Fixed Lens		Varifocal Lens		Motorized Varifocal Lens	
	720p	1080p	720p	1080p	1080p	
	TVB-2401/TVB-4401	TVB-2403/TVB-4403	TVB-2402/TVB-4402	TVB-2404/TVB-4404	TVB-2405/TVB-4405	TVB-2406/TVB-4406
						
Sensor	1/3" Progressive Scan, CMOS					
Standard	HD-TVI					
Resolution	720p Analog	1080p Analog	720p Analog	1080p Analog		
Effective Pixels	1280(H) x 720(V)	1920(H) x1080 (V)	1280(H) x 720(V)	1920(H) x 1080(V)		
Synchronization	Internal					
Electronic Shutter	NTSC: 1/30 s to 1/30,000 s; PAL 1/25 s to 1/50,000 s					
Digital S/N Ratio	52 dB (AGC Off)					
Lens	3.6mm @ f2.2		2.8~12mm @ f1.4		2.8~12mm @ f1.4 motorized	5-50mm @ f2.0-f3.0 motorized zoom and auto focus
Day/Night	True D/N, IR cut filter					
Wide Dynamic Range	DWDR	120 dB WDR on HD-TVI output only (if WDR is enabled, then the 960H output is disabled)	DWDR	120 dB WDR on HD-TVI output only (if WDR is enabled, then the 960H output is disabled)		
Minimum Illumination	Color 0.01 lux @ (f1.2, AGC On); B/W: 0.001 lux @ (f1.2, AGC On); 0 lux with IR On					
IR Range	66 ft. (20m)		132 ft. (40m)		330 ft. (100m)	
Video Output	HD-TVI	Dual output: HD-TVI and 960H Composite (when WDR is enabled, 960H output will be disabled)				
Voltage Input	12 VDC		12 VDC / 24 VAC			
Operating Temp	12VDC: -22 to 140°F (-30 to 60°C)		12VDC: -22 to 140°F (-30 to 60°C); 24VAC: -40 to 140°F (-40 to 60°C) with heater on			
Environmental Rating	IP66					
Certification	FCC, CE, UL, RCM, REACH, RoHS, WEEE					

	Bullet Cameras			
	Fixed Lens		Motorized Varifocal Lens	
	3MPx	5MPx	3MPx	5MPx
	TVB-2407/TVB-4407	TVB-2409/TVB-4409	TVB-2408/TVB-4408	TVB-2410/TVB-4410
				
Sensor	1/3" Progressive Scan, CMOS	5MPx Progressive Scan, CMOS	1/3" Progressive Scan, CMOS	5MPx Progressive Scan, CMOS
Standard	HD-TVI			
Resolution	3MPx Analog	5MPx Analog	3MPx Analog	5MPx Analog
Effective Pixels	2052(H) x 1536(V)	2592(H) x 1944(V)	2052(H) x 1536(V)	2592(H) x 1944(V)
Synchronization	Internal			
Electronic Shutter	NTSC: 1/30 s to 1/50,000 s; PAL 1/25 s to 1/50,000 s			
Digital S/N Ratio	>62 dB			
Lens	3.6mm fixed	3.6mm fixed	2.8~12mm @ f1.4 motorized	
Day/Night	True D/N, IR cut filter			
Wide Dynamic Range	>120 dB	DWDR	>120 dB	DWDR
Minimum Illumination	0.01 lux @ (f1.2, AGC On); 0 lux with IR On			
IR Range	66 ft. (20m)		132 ft. (40m)	
Video Output	3MPx TVI or 960H Analog	5MPx or 1080p TVI (only selectable via OSD when connected to 5MPx TVI recorder)	3MPx TVI or 960H Analog	5MPx or 1080p TVI (only selectable via OSD when connected to 5MPx TVI recorder)
Voltage Input	12VDC	12VDC / 24VAC	12VDC	12VDC / 24VAC
Operating Temp	-40 to 140°F (-40 to 60°C), Humidity <90% (non-condensing)			
Environmental Rating	IP66	IP67	IP66	IP67
Certification	FCC, CE, UL, RCM, REACH, RoHS, WEEE			

	Dome Cameras				
	Fixed Lens		Varifocal Lens		Motorized Varifocal Lens
	720p	1080p	720p	1080p	1080p
	TVD-2401/TVD-4401	TVD-2403/TVD-4403	TVD-2402/TVD-4402	TVD-2404/TVD-4404	TVD-2405/TVD-4405
					
Sensor	1/3" Progressive Scan, CMOS				
Standard	HD-TVI				
Resolution	720p Analog	1080p Analog	720p Analog	1080p Analog	
Effective Pixels	1280(H) x 720(V)	1920(H) x 1080(V)	1280(H) x 720(V)	1920 (H) x 1080 (V)	
Synchronization	Internal				
Electronic Shutter	NTSC: 1/30 s to 1/30,000 s; PAL: 1/25 s to 1/50,000 s				
Digital S/N Ratio	52 dB (AGC Off)				
Lens	2.8mm @ f2.2		2.8~12mm @ f1.4		2.8~12mm @ f1.4 (motorized)
Day/Night	True D/N, IR cut filter				
Wide Dynamic Range	DWDR	120 dB WDR on HD-TVI output only (if WDR is enabled, then the 960H output is disabled)	DWDR	120 dB WDR on HD-TVI output only (if WDR is enabled, then the 960H output is disabled)	
Minimum Illumination	Color: 0.01 lux @ (f1.2, AGC On); B/W: 0.001 lux @ (f1.2, AGC On); 0 lux with IR On				
IR Range	Up to 66 ft. (20m)		Up to 132 ft. (40m)		
Video Output	HD-TVI	Dual output: HD-TVI and 960H Composite (when WDR is enabled, 960H output will be disabled)			
Voltage Input	12 VDC		12VDC / 24VAC		
Operating Temp	12VDC: -22 to 140°F (-30 to 60°C)		12VDC: -22 to 140°F (-30 to 60°C); 24VAC: -40 to 140°F (-40 to 60°C) with heater on		
Environmental Rating	IP66				
Vandal Rating	--		IK10		
Certification	FCC, CE, UL, RCM, REACH, RoHS, WEEE				

	Dome Camera
	Motorized Varifocal Lens
	5MPx
	TVD-2406/TVD-4406
	
Sensor	5MPx Progressive Scan, CMOS
Standard	HD-TVI
Resolution	5MPx Analog
Effective Pixels	2592(H) x 1944(V)
Synchronization	Internal
Electronic Shutter	NTSC: 1/30 s to 1/50,000 s; PAL 1/25 s to 1/50,000 s
Digital S/N Ratio	>62 dB
Lens	2.8 to 12mm motorized
Day/Night	True D/N, IR cut filter
Wide Dynamic Range	DWDR
Minimum Illumination	0.01 lux @ (f1.2, AGC On); 0 lux with IR On
IR Range	132 ft. (40m)
Video Output	5MPx or 1080p TVI (only selectable via OSD when connected to 5MPx TVI recorder)
Voltage Input	12VDC / 24VAC
Operating Temp	-40 to 140°F (-40 to 60°C), Humidity <90% (non-condensing)
Environmental Rating	IP67
Vandal Rating	IK10
Certification	FCC, CE, UL, REACH, RoHS, WEEE

HD-Hybrid Recorder & HD-TVI Camera Kits

The TruVision® DVR 15HD with HD-TVI cameras kit provides a complete, cost-effective, HD surveillance solution that leverages existing coax cabling. Available in 4- and 8-channel configurations, each kit includes four TruVision HD-TVI analog cameras and a HD-Hybrid recorder.

DVR 15HD and HD-TVI Analog Camera Video Kits

Quick & Easy Installation

- 1** Install cameras
- 2** Connect to existing coax
- 3** Power up the DVR

- 3MPx quality video with the installation ease of analog
- Reduce cabling cost by using existing coax cable
- Easily add TruVision IP cameras to the same recorder



HD-Hybrid DVR

- 4- or 8-channel HD real-time recording
- Start-up wizard for easy installation
- 1 or 2TB internal storage
- BNC connectors for HD-TVI cameras
- Can convert all analog channels to IP cameras
- Triple monitor support: HDMI, VGA and analog
- Out of the box intrusion-video integration

HD-TVI Camera

- Bullet, turret or wedge form factor
- 720P, 2MPX (Bullet), 2MPX (Wedge) or 3MPx (Turret) option
- WDR (120 dB)
- True day/night
- Infrared range up to 20m (depends on camera model)
- IP66 environmental rating
- Operating temperature of -40 to 60°C (-40 to 140°F)

Video Software

- TruVision Navigator
- TVRMobile App
- TruVision Device Manager

HD-Hybrid Recorder & HD-TVI Camera Kits

DVR 15HD and HD-TVI Analog Camera Video Kits

4-channel DVR with 4 IR Bullet Cameras

Model	Description	DVR	Cameras
TVR-1504HD-KB1 	4-Channel HD-Hybrid 1TB DVR w/4 720P IR Bullet Cameras Kit	1 x TVR1504CHD-1T TruVision DVR 15HD, HD Hybrid, 4 channel, 1TB	4 x TVB-2401 TruVision HD-TVI Analog Bullet Camera, PAL, 720P, 3.6mm lens, true D/N, DWDR, 20m IR, HD-TVI output, Coax OSD control, 12VDC, IP66
TVR-1504HD-KB2 	4-Channel HD-Hybrid 1TB DVR w/4 2Mpx IR Bullet Cameras Kit	1 x TVR1504CHD-1T TruVision DVR 15HD, HD Hybrid, 4 channel, 1TB	4 x TVB-2403 TruVision HD-TVI Analog Bullet Camera, PAL, 1080P, 3.6mm lens, true D/N, WDR, 20m IR, Dual output 960H or HD-TVI, Coax OSD control, 12VDC, IP66

4-channel DVR with 4 IR Turret Cameras

TVR-1504HD-KT1 	4-Channel HD-Hybrid 1TB DVR w/4 2Mpx IR Bullet Cameras Kit	1 x TVR1504CHD-1T TruVision DVR 15HD, HD Hybrid, 4 channel, 1TB	4 x TVT-2401 TruVision HD-TVI Analog Turret Camera, PAL, 3MPX, 2.8mm Lens, True D/N, WDR, 20m IR, Dual Output 960H Monitor or HD- TVI, Coax OSD control, 12VDC, IP66
--	--	--	---

4-channel DVR with 4 IR Wedge Cameras

TVR-1504HD-KW2 	4-Channel HD-Hybrid 1TB DVR w/4 2Mpx IR Wedge Cameras Kit	1 x TVR1504CHD-1T TruVision DVR 15HD, HD Hybrid, 4 channel, 1TB	4 x TVW-6101 TruVision HD-TVI / Analog Wedge Camera, 1080P, 2.8mm Lens, True D/N, WDR w/ TVI, 10m IR, TVI or 960H Selectable Output, TVI Control, 12VDC, IP66, IK8
--	---	--	---

8-channel DVR with 4 IR Bullet Cameras

TVR-1508HD-KB1 	8-Channel HD-Hybrid 2TB DVR w/4 720P IR Bullet Cameras Kit	4 x TVR-1508HD-2T TruVision DVR 15HD, HD Hybrid, 8 channel, 2TB	4 x TVB-2401 TruVision HD-TVI Analog Bullet Camera, PAL, 720P, 3.6mm lens, true D/N, DWDR, 20m IR, HD-TVI output, Coax OSD control, 12VDC, IP66
TVR-1508HD-KB2 	8-Channel HD-Hybrid 2TB DVR w/4 2Mpx IR Bullet Cameras Kit	4 x TVR-1508HD-2T TruVision DVR 15HD, HD Hybrid, 8 channel, 2TB	4 x TVB-2403 TruVision HD-TVI Analog Bullet Camera, PAL, 1080P, 3.6mm lens, true D/N, WDR, 20m IR, Dual output 960H or HD-TVI, Coax OSD control, 12VDC, IP66

8-channel DVR with 4 IR Turret Cameras

TVR-1508HD-KT1 	8-Channel HD-Hybrid 2TB DVR w/4 3Mpx IR Turret Cameras Kit	4 x TVR-1508HD-2T TruVision DVR 15HD, HD Hybrid, 8 channel, 2TB	4 x TVT-2401 TruVision HD-TVI Analog Turret Camera, PAL, 3MPX, 2.8mm Lens, True D/N, WDR, 20m IR, Dual Output 960H Monitor or HD- TVI, Coax OSD control, 12VDC, IP66
--	--	--	---

8-channel DVR with 4 IR Wedge Cameras

TVR-1508HD-KW2 	8-Channel HD-Hybrid 2TB DVR w/4 2Mpx IR Wedge Cameras Kit	4 x TVR-1508HD-2T TruVision DVR 15HD, HD Hybrid, 8 channel, 2TB	4 x TVW-6101 TruVision HD-TVI / Analog Wedge Camera, 1080P, 2.8mm Lens, True D/N, WDR w/ TVI, 10m IR, TVI or 960H Selectable Output, TVI Control, 12VDC, IP66, IK8
--	---	--	---



LED Full HD Monitors

20", 22", 24", 27", 32" and 40" Class

The LED Full HD range of monitors is the latest advancement in TruVision monitors. Providing superior image quality, engineered for 24/7 operation and designed with slim profile, these monitors are a great fit for today's demanding video surveillance market.

- 1920 x 1080 full HD resolution
- 3D Comb filter for optimal image quality
- High contrast ratio for crisp images
- Supports 16:9 and 4:3 screen formats
- Multiple inputs including HDMI, VGA and BNC in/out

LED Full HD Monitors Ordering Information

MONITORS	
TVM-2212	TruVision LED 22" Class Full HD Monitor, HDMI/VGA
TVM-2002	TruVision LED 20" Class Full HD Monitor, HDMI/VGA/BNC
TVM-2202	TruVision LED 22" Class Full HD Monitor, HDMI/VGA/BNC
TVM-2402	TruVision LED 24" Class Full HD Monitor, HDMI/VGA/BNC
TVM-2702	TruVision LED 27" Class Full HD Monitor, HDMI/VGA/BNC
TVM-3202	TruVision LED 32" Class Full HD Monitor, HDMI/VGA/BNC
TVM-4002	TruVision LED 40" Class Full HD Monitor, HDMI/VGA/BNC

LED Full HD Monitors Comparison Table

	TVM-2212	TVM-2002	TVM-2202	TVM-2402	TVM-2702	TVM-3202	TVM-4002
							
Display	21.5" LED Backlit	19.53" LED Backlit	21.5" LED Backlit	23.6" LED Backlit	27" LED Backlit	31.5" LED Backlit	39.5" LED Backlit
Aspect Ratio	16:9						
Viewing Angle (H/V)	170°/160°	178°/178°	170°/160°			178°/178°	
Contrast Ratio	1000:1	3000:1	1000:1				5000:1
Response Time	5 ms	20 ms	5 ms			8 ms	9.5 ms
Resolution	1920 x 1080						
Audio Speaker Power	2 W x 2	1.5 W x 2		2 W x 2			
Video In/Out (BNC)	--	1 / 1					
VGA In (15 Pin D-Sub)	1						
HDMI In	1						
PC Stereo In	1						
Remote Control	No				Yes		
Input Voltage	100 to 240VAC						
Filter Type	--	3D Comb filter, De-interlace					
Operating Condition	32 to 104°F (0 to 40°C), Humidity 10 to 85% (non-condensing)						
VESA Mount	100 x 100mm						

TruVision® Keypads



TVK-800 IP Keypad

Interlogix offers the TVK-800 as a full-featured IP keypad, designed to be used with the TruVision line of recorders, encoders and cameras.

- IP Keypad with LCD touch screen and 4-axis joystick

Keypad Ordering Information

IP KEYPAD	
TVK-800	TruVision IP Keypad, 7" LCD Touch Screen, 4-axis Joystick, 12VDC, PoE



TVK-400USB Keypad

The TruVision USB keypad has an advanced 3-axis Hall-effect joystick, which provides users full control over PTZ movements of the camera, while the Jog/Shuttle function allows users to easily navigate and playback previously recorded video. The TVK-400 can be used with TruVision Navigator.

IP KEYPAD	
TVK-400USB	TruVision 3-axis Variable Speed Video Surveillance USB Keypad



KTD-405 Analog Keypad

The KTD-405 Series controller keyboards are compatible with TruVision switchers, domes and DVRs.

ANALOG KEYPAD	
KTD-405	TruVision Three-axis Variable Speed Controller Keypad
KTD-405-2D	TruVision Two-axis Variable Speed Controller Keypad



Hard drives

Interlogix offers a complete line of internal hard drives designed for 24/7, always on, high-definition surveillance security systems for use in TruVision analog HD-hybrid and NVR recorders.

Hard Drive Ordering Information

NON-RAID HARD DRIVES	
TVN-20XX-HDD-2T	TruVision Recorder HDD expansion kit, 2TB
TVN-HDD-4TB	TruVision Recorder HDD expansion kit, 4TB
TVN-HDD-6TB	TruVision recorder HDD expansion kit, 6TB
TVN-HDD-8TB	TruVision recorder HDD expansion kit, 8TB (for TVN 22P, TVN 70 (as of FW 1.2) only)
RAID HARD DRIVES	
TVN-HDDR-4TB	TruVision recorder HDD expansion kit, 4TB RAID
TVN-HDDR-6TB	TruVision recorder HDD expansion kit, 6TB RAID



Lenses

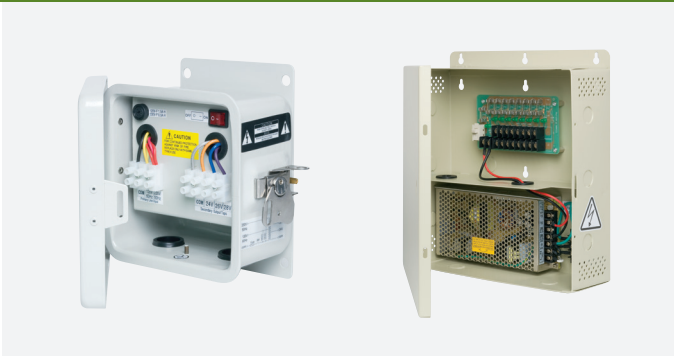
Interlogix offers a complete line of 1/3-inch format lenses. High quality multi-coated glass lens elements provide excellent contrast and color rendition. All lenses feature metal CS mounts.

Lens Ordering Information

VARIFOCAL AUTO-IRIS	
YV2.1X2.8SR4A-SA2	Megapixel 1/3" 2.8-6mm F1.3, Day/Night Auto Iris DC, IR Corrected
TVL-002	TruVision 1.3 - 3MPx Lens, 5~50mm VF, F1.7, CS Mount, 1/2.7 inch, CS, Auto Iris, IR Sensitive, for 1.3 - 3MPx Box Cameras
TVL-003	TruVision 8MPx Lens, 3.8~16mm VF, F1.5, CS, IR Sensitive, for 4 - 8MPx Box Cameras
TVL-004	TruVision 8MPx Lens, 11~40mm VF, F1.5, CS, IR Sensitive, for 4 - 8MPx Box Cameras
TVL-005	TruVision 1.3 - 3MPx Lens, 2.7 - 12mm VF, F1.2, CS Mount, 1/2.7 inch, CS, Auto Iris, IR Sensitive, for 1.3 - 3MPx Box Cameras

TruVision® Camera Power Supplies

Power Supplies



Power Supplies Ordering Information

POWER SUPPLIES	
TVPS-01-24AC	Single-position Outdoor PTZ Power Supply, 120/240VAC Input, 24/28VAC Output @ 4A
TVPS-16-12DC	Sixteen (16) Output 12VDC Power Supply, 12VDC @ 1.125 Amps (18A total)
TVPS-4-12DC	Four (4) Output 12VDC Power Supply, 12VDC @ 1.25 Amps (5A total)
TVPS-8-12DC	Eight (8) Output 12VDC Power Supply, 12VDC @ 1.06 Amps (8A total)

Power Supplies

TruVision power supplies are designed specifically for Interlogix™ cameras, delivering optimal power for robust, reliable performance.

- Universal Input Voltage (120VAC/240VAC)
- 4, 8 or 16 High-Output Channels (TVPS DC Series)
- IP66/NEMA4X Rating (TVPS AC Series)

Power Supplies Comparison Table

Model	Channels	Description
TVPS-01-24AC	1 AC	Single-Position Outdoor PTZ Power Supply, 120/240VAC Input, 24/28VAC Output @ 4A
TVPS-16-12DC	16 DC	Sixteen (16) Output 12VDC Power Supply, 12VDC @ 1.125 Amps (18A total)
TVPS-4-12DC	4 DC	Four (4) Output 12VDC Power Supply, 12VDC @ 1.25 Amps (5A total)
TVPS-8-12DC	8 DC	Eight (8) Output 12VDC Power Supply, 12VDC @ 1.06 Amps (8A total)

TruVision® Mounts and Bubbles



TruVision Camera Mounts and Bubbles

TruVision camera mounts offer a lightweight yet durable metal construction for installation flexibility and long-lasting support.

- Compatible with Interlogix dome and wedge cameras
- High-quality metal construction provides added durability
- Rugged design supports both outdoor and indoor applications

Universal Mounts Ordering Information

BACK BOXES AND ADAPTERS	
TVB-2G-AD	TruVision Double Gang Box Adapter Plate (for Fixed Lens Bullet or LWB Wall Mount)
TVB-BB1	TruVision Bullet Camera Back Box (for Fixed Lens Bullet)
TVD-BB1	TruVision Dome Back Box (use w/Plastic Dome)
TVD-BB3	TruVision Dome Back Box (use w/TVD-6/-7 Series Analog Dome, IP Indoor VF Domes, IP Outdoor Domes)
TVD-BB3A	TruVision Dome Angled Back Box (use w/TVD-6/-7 Series Analog Dome, IP Indoor VF Domes, IP Outdoor Domes)
TVD-LWB-AD	TruVision LWB Bracket Adapter to TVD-SNB-BB Back Box
TVF-BBM	TruVision 360° Dome Round Back Box, Conduit Ports, Gang Box Compatible, Metal, Indoor/Outdoor
TVF-WBM	TruVision 360° Dome Round Angled Back Box, Conduit Ports, Gang Box Compatible, Metal, Indoor/Outdoor
TVJ-JBS	TruVision Junction Box, Stainless Steel
TVW-2G-AD	TruVision Double Gang Electrical Box Adapter Plate for Wedge Cameras
TVW-AWB-1	TruVision Outdoor Angled Back Box for Wedge Cameras
TVW-AWB-2	TruVision Indoor Angled Back Box for Wedge Cameras

WALL MOUNTS AND ADAPTERS

DR-RWM-AD	TruVision Adapter for TVD Plastic Dome to DR & TVD-M2-WM Wall Mount Bracket
TVB-2G-AD	TruVision Double Gang Box Adapter Plate (for Fixed Lens Bullet or LWB Wall Mount)
TVB-WBS	TruVision Box Camera Housing (Bullet) Wall Mount for Stainless Steel Housing
TVD-CB2	TruVision Dome 2-inch Cup Base
TVD-CB3	TruVision Dome 3-inch Cup Base
TVD-CB5A	TruVision Integrated Dome 5-inch Cup Base (use w/TruVision IP Outdoor Dome Cameras, TVD-SNB, TVD-PPB)
TVD-CB6	TruVision Dome/Turret (5 in./135mm) Cup Base (use with TVD-SNB, TVD-PPB, TVD-CBW)
TVD-CB7	TruVision Dome (6 in./155mm) Cup Base (use with TVD-SNB, TVD-PPB, TVD-CBW)
TVD-LWB-1	TruVision Dome Bracket, L-shape, Indoor (use w/TWV Analog/IP Wedge and HD-TVI Fixed Lens Dome Cameras)
TVD-LWB-2	TruVision Dome Bracket, L-shape, Indoor (use w/TVD Analog/HD-TVI VF Domes and IP Motor Lens Outdoor Dome)
TVD-LWB-AD	TruVision LWB Bracket Adapter to TVD-SNB-BB Back Box
TVD-LWB-S	TruVision Dome Camera Wall Mount Shield (use w/TVD-LWB-1 or TVD-LWB-2)
TVD-M-CMA	TruVision Corner Mount Adapter (use w/TVD-SNB, TVC VF/Motor Lens IP Bullet Cameras and TVD-HD-TVI/Analog VF Bullet Cameras)
TVD-M-PMA	TruVision Pole Mount Adapter (use w/TVD-SNB, TVC VF/Motor Lens IP Bullet Cameras and TVD-HD-TVI/Analog VF Bullet Cameras)
TVD-M2-WM	TruVision Dome Wall Mount (use w/TVD VF Domes)
TVD-SNB	TruVision Dome Swan Neck Bracket (use w/TVD-CB5A, TVD-CB3, TVD-CB2, TVW-DVM)
TVD-CBW	TruVision Dome Cup Base Wall Mount (use w/TVD-CB2, TVD-CB3, TVD-CB5A, TVD-CB6, TVD-CB7)
TVD-WBS	TruVision Dome Wall Mount for Stainless Steel Dome
TVF-CBM	TruVision 360° Dome Cup Base (use w/TVD-PPB for Pendant Mount or TVD-SNB for Wall Mount)
TVW-DVM	TruVision Dual View Mount for Wedge (use w/TVD-PPB and TVD-SNB)

PENDANT MOUNTS AND ADAPTERS

TVD-CB2	TruVision Dome 2-inch Cup Base
TVD-CB3	TruVision Dome 3-inch Cup Base
TVD-CB5A	TruVision Integrated Dome 5-inch Cup Base (use w/TruVision IP Outdoor Dome Cameras, TVD-SNB, TVD-PPB)
TVD-CB6	TruVision Dome/Turret (5 in./135mm) Cup Base (use with TVD-SNB, TVD-PPB, TVD-CBW)
TVD-CB7	TruVision Dome (6 in./155mm) Cup Base (use with TVD-SNB, TVD-PPB, TVD-CBW)
TVD-CBM	TruVision 360° Dome Cup Base (use w/TVD-PPB for Pendant Mount or TVD-SNB for Wall Mount)
TVD-PPB	TruVision Dome Pendant Mount Bracket (use w/TVD-CB5A, TVD-CB3, TVD-CB2, TVW-DVM)
TVW-DVM	Dual View Mount for Wedge (use w/TVD-PPB and TVD-SNB)

TruVision® Mounts and Bubbles

FLUSH MOUNTS

TVD-M2-FM TruVision Indoor Flush Mount (use w/TVD IP VF Domes)

TVD-VFM TruVision VF Dome Flush Mount (for Analog and TVI)

360° CAMERA ACCESSORIES

TVF-BBM TruVision 360° Camera Round Back Box, Conduit Ports, Gang Box Compatible, Metal, Indoor/Outdoor

TVF-CBM TruVision 360° Camera Cup Base (use with TVD-PPB for Pendant Mount or TVD-SNB for Wall Mount)

TVF-WBM TruVision 360° Camera Round Angled Back Box, Conduit Ports, Gang Box Compatible, Metal, Indoor/Outdoor

PTZ CAMERA ACCESSORIES

1060050A TruVision Pendant Adapter for PTZ, 1 1/4 NPT, Rubber Boot, UTC Gray (use to pendant mount PTZ)

TVP-CBB TruVision Compact PTZ Compact Box (TVP-5103)

TVP-CCBWM TruVision Compact Cup Base PTZ Wall Mount (TVP-5103)

TVP-CFM TruVision Compact PTZ Flush Mount (TVP-5103)

TVP-CWM TruVision Compact PTZ Indoor Wall Mount, Plastic (TVP-5101)

TVP-PAS TruVision PTZ Pendant Mount for Stainless Steel PTZ

TVP-SAM TruVision PTZ Swing Arm Mount

TVP-WBS TruVision PTZ Wall Mount, for Stainless Steel PTZ

TVP-WM-CM TruVision PTZ Dome Corner Mount Adapter (use w/TVP-WMB Wall Mount Bracket)

TVP-WM-PM TruVision PTZ Dome Pole Mount Adapter (use w/TVP-WMB Wall Mount Bracket)

TVP-WMB TruVision PTZ Dome Wall Mount Bracket

Dome Bubbles Ordering Information

TVD-BHS-1B TruVision IP Wedge Bubble & Housing Spare, Clear, Metal Housing, Mic Hole, Black

TVD-BHS-1BP TruVision IP Wedge Bubble & Housing Spare, Clear, Plastic Housing, Wi-Fi® Version, Mic Hole, Black

TVD-BHS-1G TruVision IP Wedge Bubble & Housing Spare, Clear, Metal Housing, Mic Hole, Gray

TVD-BHS-1GP TruVision IP Wedge Bubble & Housing Spare, Clear, Plastic Housing, Wi-Fi® Version, Mic Hole, Gray

TVD-BHS-1W TruVision IP Wedge Bubble & Housing Spare, Clear, Metal Housing, Mic Hole, White

TVD-BHS-1WP TruVision IP Wedge Bubble & Housing Spare, Clear, Plastic Housing, Wi-Fi® Version, Mic Hole, White

TVD-BS-1C TruVision Wedge Bubble Spare, Clear

TVD-BS-1S TruVision Wedge Bubble Spare, Smoked

TVD-BS-2C TruVision Plastic Dome Bubble Spare, Clear

TVD-BS-2S TruVision Plastic Dome Bubble Spare, Smoked

TVD-BS-3C TruVision Dome Bubble Spare for IP VF and TVD-6/-7 Series Analog VF, Clear

TVD-BS-3S TruVision Dome Bubble Spare for IP VF and TVD-6/-7 Series Analog VF, Smoked

TVD-BS-5C TruVision Dome Bubble Spare for IP Series 4 Outdoor Version, IP 12/32 Motor Lens, 22/42 and 24/44 Series Analog VF, Clear

TVD-BS-5S TruVision Dome Bubble Spare for IP Series 4 Outdoor Version, IP 12/32 Motor Lens, 22/42 and 24/44 Series Analog VF, Smoked

Secure critical
infrastructure
with **TruVision®**
on board.



TruVision® Mounts and Adapters

Turret, Wedge, And Dome Camera Mount Selection Guide

		Adapter plate included	Back box included	Mounting to a back box	Mounting to 2 gang electrical box	Flush mount		Wall mount				
Mounting brackets		Refer to legend below	Refer to legend below			TVD-M2-FM 	TVD-VFM 	TVD-LWB-1 ((1+9) or 10") 	TVD-LWB-2 ((1+9) or 10") 	TVW-AWB-1 	TVW-AWB-2 	DR series DR-RWM 
Accessories								TVD-LWB-S 				
Threaded pipe mounts												
Cat.	SKU											
	NTSC	PAL										
IP cameras	TVF-3101	TVF-1101			5, 6							
	TVF-3102	TVF-1102			5, 6							
	TVF-3103	TVF-1103			5, 6							
	TVF-3104	TVF-1104			5, 6							
	TVF-3105	TVF-1105			5, 6							
	TVF-3106	TVF-1106			5, 6							
	TVF-3107	TVF-1107			5, 6							
	TVF-3108	TVF-1108			5, 6							
	TVW-3130	TVW-1130	A		(3 or 4) + 7	8		A				A + 7
	TVD-5301				2							7
	TVD-5302				2							7
	TVD-5303	B		3, 4	B	B		B				
	TVD-5304	B		3, 4	B	B		B				
	TVD-5305	B		3, 4	B	B		B				
	TVD-5306	B		3, 4	B	B		B				
	TVT-5301	D		(3 or 4) + D	D							
	TVT-5302	D		(3 or 4) + D	D							
	TVT-5303	D		(3 or 4) + D	D							
	TVT-5304	D		(3 or 4) + D	D							
	TVT-5305	D		(3 or 4) + D	D							
	TVT-5306	D		(3 or 4) + D	D							
	TVT-5307	D		(3 or 4) + D	D							
	TVT-5501	D		(3 or 4) + D	D							
	TVT-5502	D		(3 or 4) + D	D							
	TVW-5301	A		(3 or 4) + 7	8			A				A + 7
	TVW-5302	A		(3 or 4) + 7	8			A				A + 7
	TVW-5303	A		(3 or 4) + 7	8			A				A + 7
	TVW-5304	A		(3 or 4) + 7	8			A				A + 7
	TVW-5305	A		(3 or 4) + 7	8			A				A + 7
	TVD-5401	C		3, 4	C	C			C			
	TVD-5402	C		3, 4	C	C			C			
	TVD-5403	C		3, 4	C	C			C			
	TVD-5404		F	F	F				F			
	TVD-5405		F	F	F				F			
	TVD-5406		F	F	F				F			
	TVD-5407		F	F	F				F			
	TVD-5408		F	F	F				F			
	TVD-5501			2								7
	TVD-5502			2								7
	TVD-5601			2								7
	TVD-5602			2								7
	TVD-5603			2								7
	TVD-5604	H	J		H							
	TVD-5605	H	J		H							
	TVD-5606	H	J		H							

Continued on page 4

Optional Back boxes and adapters									
Wall/ceiling mount						Adapters			
(1) TVD-SNB-BB wall mount back box 	(2) TVD-BB1 dome back box 	(3) TVD-BB3 dome back box 	(4) TVD-BB3A dome angled back box 	(5) TVF-BBM 360° back box 	(6) TVF-WBM 360° angled back box 	(7) DR-RWM-AD dome/wedge adapter plate 	(8) TVW-2G-AD 2 gang elec. box adapter 	(9) TVD-LWB-AD LWB wall mount adapter plate 	(10) TVB-2G-AD recessed 2 gang adapter* 

		Wall/Pendant Mount							
Mounting brackets		TVD-SNB (1, 11, 12) 		TVD-CBW 		TVD-PPB 		TVD-M2-WM (1, 11, 12) 	
Accessories									
Threaded pipe mounts		TVW-AWB-1 	TVW-DVM 	TVD-CB2 	TVD-CB3 	TVD-CB5A 	TVD-CB6 	TVD-CB7 	TVF-CBM 
Cat.	SKU								
	NTSC	PAL							
IP cameras	TVF-3101	TVF-1101							
	TVF-3102	TVF-1102							
	TVF-3103	TVF-1103							
	TVF-3104	TVF-1104							
	TVF-3105	TVF-1105							
	TVF-3106	TVF-1106							
	TVF-3107	TVF-1107							
	TVF-3108	TVF-1108							
	TVW-3130	TVW-1130			A				A + 7
	TVD-5301				7				7
	TVD-5302				7				7
	TVD-5303				B				B
	TVD-5304				B				B
	TVD-5305				B				B
	TVD-5306				B				B
	TVT-5301				D				D
	TVT-5302				D				D
	TVT-5303				D				D
	TVT-5304				D				D
	TVT-5305				D				D
	TVT-5306				D				D
	TVT-5307				D				D
	TVT-5501				D				D
	TVT-5502				D				D
	TVW-5301			A					A + 7
	TVW-5302			A					A + 7
	TVW-5303			A					A + 7
	TVW-5304			A					A + 7
	TVW-5305			A					A + 7
	TVD-5401				C				C
	TVD-5402				C				C
	TVD-5403				C				C
	TVD-5404					Remove F			
	TVD-5405					Remove F			
	TVD-5406					Remove F			
	TVD-5407					Remove F			
	TVD-5408					Remove F			
	TVD-5501				7				7
	TVD-5502				7				7
	TVD-5601				7				7
	TVD-5602				7				7
	TVD-5603				7				7
	TVD-5604						H		
	TVD-5605						H		
	TVD-5606						H		

Continued on page 5

Optional corner and pole mounts, shield		
Corner/pole mount		Shield
(11) TVD-M-CMA corner mount 	(12) TVD-M-PMA pole mount 	TVD-LWB-S dome shield 

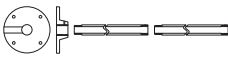
Included adapters and back boxes										
Adapters							Back boxes			
(A) S1 and S3 wedge adapter plate 	(B) IP manual VF lens dome adapter plate 	(C) IP indoor VF dome adapter plate 	(D) turret adapter plate 	(G) S6 wedge adapter plate 	(H) S6 motorized dome adapter plate 	(I) S6 Motorized turret adapter plate 	(E) analog manual VF lens dome back box 	(F) motorized lens dome back box 	(J) motorized lens S6 dome back box 	(K) motorized lens S6 turret back box 

TruVision® Mounts and Bubbles

Turret, Wedge, And Dome Camera Mount Selection Guide

		Adapter plate included	Back box included	Mounting to a back box	Mounting to 2 gang electrical box	Flush mount		Wall mount				
Mounting brackets		Refer to legend below	Refer to legend below			TVD-M2-FM 	TVD-VFM 	TVD-LWB-1 ((1+9) or 10") 	TVD-LWB-2 ((1+9) or 10") 	TVW-AWB-1 	TVW-AWB-2 	DR Series DR-RWM 
Accessories								TVD-LWB-S 				
Threaded pipe mounts												
Cat.	SKU											
	NTSC	PAL										
IP cameras	TVT-5601		D		(3 or 4) + D	D						
	TVT-5602		D		(3 or 4) + D	D						
	TVT-5603		D		(3 or 4) + D	D						
	TVT-5604		D		(3 or 4) + D	D						
	TVT-5605		D		(3 or 4) + D	D						
	TVT-5606		D		(3 or 4) + D	D						
	TVT-5607		D		(3 or 4) + D	D						
	TVT-5608		I	K		I						
	TVT-5609		I	K		I						
	TVT-5610		I	K		I						
	TVT-5611		I	K		I						
	TVW-5601		G		(3 or 4) G + 7			G				G + 7
	TVW-5602		G		(3 or 4) G + 7			G				G + 7
	TVW-5603		G		(3 or 4) G + 7			G				G + 7
	TVW-5604		G		(3 or 4) G + 7			G				G + 7
	TVW-5605		G		(3 or 4) G + 7			G				G + 7
Analog cameras	TVW-4101	TVW-2101	A		(3 or 4) + 7	8		A				A + 7
	TVD-4202	TVD-2202		E	E	E		E				
	TVD-4401	TVD-2401			2							7
	TVD-4402	TVD-2402		E	E	E		E				
	TVD-4403	TVD-2403			2							7
	TVD-4404	TVD-2404		E	E	E		E				
	TVD-4405	TVD-2405		E	E	E		E				
	TVD-4406	TVD-2406		E	E	E		E				
	TVT-4401	TVT-2401	D		(3 or 4) + D	D						
	TVT-4402	TVT-2402	D		(3 or 4) + D	D						
	TVT-4403	TVT-2403	D		(3 or 4) + D	D						
	TVT-4404	TVT-2404	D		(3 or 4) + D	D						
	TVW-4401	TVW-2101	A		(3 or 4) + 7	8		A				A + 7
	TVW-6101		A		(3 or 4) + 7	8		A				A + 7

Optional back boxes and adapters									
Wall/ceiling mount					Adapters				
(1) TVD-SNB-BB wall mount back box 	(2) TVD-BB1 dome back box 	(3) TVD-BB3 dome back box 	(4) TVD-BB3A dome angled back box 	(5) TVF-BBM 360° back box 	(6) TVF-WBM 360° angled back box 	(7) DR-RWM-AD dome/wedge adapter plate 	(8) TVW-2G-AD 2 gang elec. box adapter 	(9) TVD-LWB-AD LWB wall mount adapter plate 	(10) TVB-2G-AD recessed 2 gang adapter* 

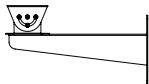
			Wall/pendant mount							
Mounting brackets			TVD-SNB (1, 11, 12)		TVD-CBW		TVD-PPB		TVD-M2-WM (1, 11, 12)	
										
Accessories										
Threaded pipe mounts			TVW-AWB-1 	TVW-DVM 	TVD-CB2 	TVD-CB3 	TVD-CB5A 	TVD-CB6 	TVD-CB7 	TVF-CBM 
Cat.	SKU									
	NTSC	PAL								
IP cameras	TVT-5601					D				D
	TVT-5602					D				D
	TVT-5603					D				D
	TVT-5604					D				D
	TVT-5605					D				D
	TVT-5606					D				D
	TVT-5607					D				D
	TVT-5608							I		
	TVT-5609							I		
	TVT-5610							I		
	TVT-5611							I		
	TVW-5601				G					G + 7
	TVW-5602				G					G + 7
	TVW-5603				G					G + 7
	TVW-5604				G					G + 7
TVW-5605				G					G + 7	
Analog cameras	TVW-4101	TVW-2101			A					A + 7
	TVD-4202	TVD-2202				E				E
	TVD-4401	TVD-2401				7				7
	TVD-4402	TVD-2402				E				E
	TVD-4403	TVD-2403				7				7
	TVD-4404	TVD-2404				E				E
	TVD-4405	TVD-2405				E				E
	TVD-4406	TVD-2406				E				E
	TVT-4401	TVT-2401				D				D
	TVT-4402	TVT-2402				D				D
	TVT-4403	TVT-2403				D				D
	TVT-4404	TVT-2404				D				D
	TVW-4401	TVW-2101			A					A + 7
	TVW-6101				A					A + 7

Optional corner and pole mounts, shield		
Corner/pole mount	Shield	
(11) TVD-M-CMA corner mount	(12) TVD-M-PMA pole mount	TVD-LWB-S dome shield
		

Included adapters and back boxes										
Adapters							Back boxes			
(A) S1 and S3 wedge adapter plate	(B) IP Manual VF lens dome adapter plate	(C) IP Indoor VF dome adapter plate	(D) turret adapter plate	(G) S6 wedge adapter plate	(H) S6 motorized dome adapter plate	(I) S6 motorized turret adapter plate	(E) analog manual VF lens dome back box	(F) motorized lens dome back box	(J) motorized lens S6 dome back box	(K) motorized lens S6 turret back box
										

TruVision® Mounts and Bubbles

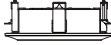
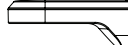
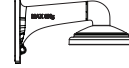
Box and Bullet Camera Mount Selection Guide

		Back box included	Mounting to a back box	Mounting to a recessed 2 gang electrical box	Box camera housing (bullet camera) wall mount, stainless steel	Box camera outdoor housing w/ heater and TVC-M2-WM wall mount
Mounting brackets		Refer to legend below.				
Cat.	SKU					
	NTSC	PAL				
IP cameras	TVB-3101	TVB-1101		1	2	
	TVB-3102	TVB-1102		1	2	
	TVB-3103	TVB-1103		1	2	
	TVB-3104	TVB-1104	A			
	TVB-3105	TVB-1105	A			
	TVB-3201	TVB-1201	A			
	TVB-3202	TVB-1202	A			
	TVB-3203	TVB-1203	A			
	TVB-5301			1	2	
	TVB-5302			1	2	
	TVB-5303		A			
	TVB-5304		A			
	TVB-5305		A			
	TVB-5306		A			
	TVB-5401		A			
	TVB-5402		A			
	TVB-5403		A			
	TVB-5404		A			
	TVB-5405		A			
	TVB-5412		A			
	TVB-5413		A			
	TVB-5501			1	2	
	TVB-5502			1	2	
	TVB-5601			1	2	
	TVB-5602			1	2	
	TVB-5603			1	2	
	TVB-5604		B		B	
	TVB-5605		B		B	
	TVB-5606		B		B	
	TVB-5701		A			
	TVB-5702		A			
	TVB-5706		A			
	TVB-5707		A			
	TVB-5801					
	TVB-5802					
	TVC-3201	TVC-1201				
	TVC-3202	TVC-1202				
	TVC-5401					
	TVC-5402					
	TVC-5403					
Analog cameras	TVB-4201	TVB-2201		1	2	
	TVB-4202	TVB-2202		1	2	
	TVB-4203	TVB-2203	A			
	TVB-4401	TVB-2401		1	2	
	TVB-4402	TVB-2402	A			
	TVB-4403	TVB-2403		1	2	
	TVB-4404	TVB-2404	A			
	TVB-4405	TVB-2405	A			
	TVB-4406	TVB-2406	A			
	TVB-4407	TVB-2407		1	2	
	TVB-4408	TVB-2408	A			
	TVB-4409	TVB-2409		1	2	
	TVB-4410	TVB-2410	A			
	TVC-4401	TVC-2401				

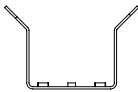
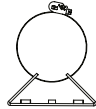
Optional back box and adapter	
(1) TVB-BB1 fixed lens bullet back box 	(2) TVB-2G-AD recessed 2 gang box* adapter plate 

Included back box	
(A) VF lens bullet back box 	(B) motorized lens S6 bullet back box and adapter plate 

PTZ Camera Mount Selection Guide

			Back box compact PTZ	Flush mount compact PTZ	Indoor wall mount compact PTZ	Cup base wall mount compact PTZ	Wall mount standard PTZ	Swing arm mount standard PTZ	Ceiling mount
Mounting brackets			TVP-CBB 	TVP-CFM 	TVP-CWM 	TVP-CCBWM* 	TVP-WMB (1), (2) 	TVP-SAM 	UVP-C30, UVP-C60, UVP-C180 
Cat.	SKU								
	NTSC	PAL							
IP cameras	TVP-3101	TVP-1101							
	TVP-3102	TVP-1102							
	TVP-3103	TVP-1103							
	TVP-3104	TVP-1104							
	TVP-3105	TVP-1105							
	TVP-3106	TVP-1106							
	TVP-3122	TVP-1122							
	TVP-5101								
	TVP-5102								
	TVP-5103								
Analog cameras	TVP-4101	TVP-2101							
	TVP-4102	TVP-2102							
	TVP-4103	TVP-2103							
	TVP-4104	TVP-2104							
	TVP-4105	TVP-2105							
	TVP-4106	TVP-2106							
	TVP-4401	TVP-2401							
	TVP-4402	TVP-2402							
	TVP-4403	TVP-2403							
	TVP-6101								
	TVP-6102								
	TVP-6103								

*Note: TVP-CCBWM wall mount does not work with corner mounts (GEA-105, TVP-WM-CM) or pole mounts (GEA-106, TVP-WM-PM) as the mounting holes do not line up.

Optional corner and pole mount	
(1) TVP-WM-CM corner mount 	(2) TVP-WM-PM pole mount 



TruVision® comprehensive solutions are developed and supported by Interlogix, a leading provider of security and life safety solutions including advanced video, recording and wireless transmission technology. Through an ongoing commitment to secure and protect people, property and assets, Interlogix continues to develop innovative and reliable products that meet the demands of the modern world.

<http://firesecurityproducts.com>



interlogix.com



@Interlogix



Interlogix Channel

Specifications subject to change without notice.

© 2019 United Technologies Corporation. All rights reserved. Interlogix is part of UTC Climate, Controls & Security, a unit of United Technologies Corporation.

Apple® and iTunes® are registered trademarks of Apple Inc. Android™ is a trademark of Google Inc. Windows® is a registered trademark of Microsoft Inc. ONVIF® is a trademark of Onvif Inc. PSIA® is a registered trademark of PSIA Alliance. Wi-Fi® is a registered trademark of Wi-Fi Alliance®. All other trademarks are the property of their respective owners.

2019/04 (GSP-2674) 809-4215