

# HD-TVI Analog Turret Cameras

3MPx and 5MPx  
Resolution Cameras



## OVERVIEW

The TruVision® HD-TVI Turret Cameras from Interlogix deliver cost-effective surveillance with 3MPx or 5MPx resolution HD-TVI technology over existing coaxial cable. Ideal for new or existing projects, HD-TVI Turret Cameras include an adapter plate for ease of installation and a variety of TruVision mounts and accessories, helping users stay within budget constraints without compromising security needs.

With the ability to see in low-light conditions, HD-TVI Turret Cameras provide color images by day and black-and-white images in night-time applications; in conjunction with IR illumination.

These cameras are specifically designed for use with TruVision HD-TVI DVRs that support 3MPx or higher resolution HD-TVI cameras. There is no limitation for 3MPx resolution cameras (up to max channels). Support for 5MPx resolution is limited to specific BNC ports, based on the recorder. Refer to the TruVision HD-TVI recorder guidelines for more details. Please note that first generation TruVision HD-TVI DVRs will not support these cameras.



## STANDARD FEATURES

### Video

- 3MPx or 5MPx HD resolution options
- HD-TVI or 960H output, selectable on 3MPx models
- HD-TVI output on 5MPx models
- Fixed or motorized varifocal lens options
- HD-TVI technology for transmitting HD quality video over existing coax cable

### Video Enhancements

- 3MPx models provide Wide Dynamic Range (WDR), 120dB
- 5MPx models provide Digital Wide Dynamic Range (DWDR)
- True day/night functionality and infrared illuminators with Smart IR function for capturing images in various lighting scenarios



### Installation and Environment

- IP66 Environmental rating for the 3MPx models
- IP67 Environmental rating for the 5MPx models
- Coax OSD control
- Cable protection/management
- Multiple mounting options
- Turret adapter mounting plate included

### Warranty

- 3-year warranty

## Specifications

	TVT-4401 TVT-2401	TVT-4402 TVT-2402	TVT-4403 TVT-2403	TVT-4404 TVT-2404	
					
Camera	Image Sensor	1/3" CMOS		5 MPx Progressive Scan CMOS	
	Standard	HD-TVI			
	Signal System	NTSC/PAL			
	Resolution	3MPx Analog		5MPx Analog	
	Effective Pixels	2052 (H) x 1536 (V)		2592 (H) x 1944 (V)	
	Selectable via OSD (using higher resolution DVR)			2560 (H) x 1944 (V) @ 12.5 fps or 1920 (H) x 1080 (V) @ 25/30 fps	
	Synchronization	Internal			
	Day/Night	Day/Night IR cut filter with auto switch			
	Wide Dynamic Range	> 120 dB		DWDR	
	Electronic Shutter	NTSC: 1/30 s to 1/50,000 s; PAL: 1/25 s to 1/50,000 s			
	Minimum Illumination	0.01 lux @ f1.2 (AGC On); 0 lux with IR			
	Digital S/N Ratio	> 62 dB			
	Lens	2.8mm fixed	2.8-12mm motorized VF	2.8mm fixed	2.8 - 12mm motorized
	IR Range	66 ft. (20m)	132 ft. (40m)	66 ft. (20m)	132 ft. (40m)
On Screen Display (OSD)	TruVision® Coax OSD control on TVI	TruVision Coax OSD control on TVI or OSD menu button	TruVision Coax OSD control on TVI	TruVision Coax OSD control on TVI or OSD menu button	
OSD Languages	English/Chinese				
Video Output	3MPx TVI or 960H Analog		5MPx or 1080P TVI (only selectable via OSD when connector to 5MPx TVI recorder)		
Video Connector	1 - 75W BNC				
Intelligence	Mirror, Defect pixel correction, Smart IR				
Electrical/Mechanical	Voltage Input	12VDC			
	Current	417 mA	550 mA	250mA	750mA
	Power Consumption	5W (Max.)	6W (Max.)	3W (Max.)	9W (Max.)
	Dimensions	5 x 3.85 in. (226.7 x 97.84mm)	5.35 x 4.65 in. (135.78 x 118.2mm)	5 x 3.85 in. (126.7 x 97.84mm)	5.35 x 4.65 in. (135.78 x 118.2mm)
	Weight	0.77 lbs. (350g)	1.57 lb. (750g)	0.77 lbs. (350g)	1.57 lb. (750g)
Environmental	Operating Temperature (cold start)	-40°F~-140°F (-40°C~-60°C), Humidity <90% (non-condensing)			
	Environmental Rating	IP66		IP67	
Regulation	Compliance	FCC, CE, UL, WEEE, RoHS, REACH			

**Important Notes:** There are restrictions/rules when using HD-TVI 5MPx cameras with TruVision TVI recorders:

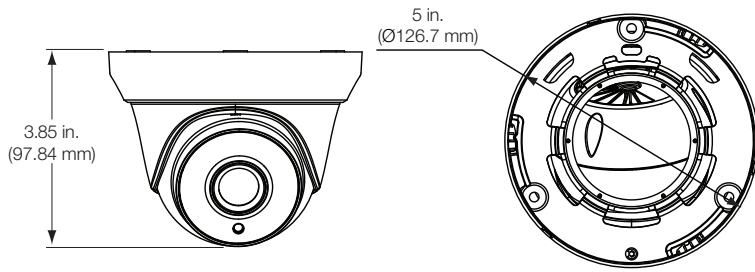
- The HD-TVI 5MPx cameras only work with the higher resolution HD-TVI recorders (TVR15HD or TVR45HD, or higher), firmware version 1.1 (or higher)
- There is a maximum number of HD-TVI 5MPx cameras that are supported per TruVision HD-TVI recorder
- The HD-TVI 5MPx cameras are only supported on specific ports of the TruVision HD-TVI Recorders

**Guidelines:**

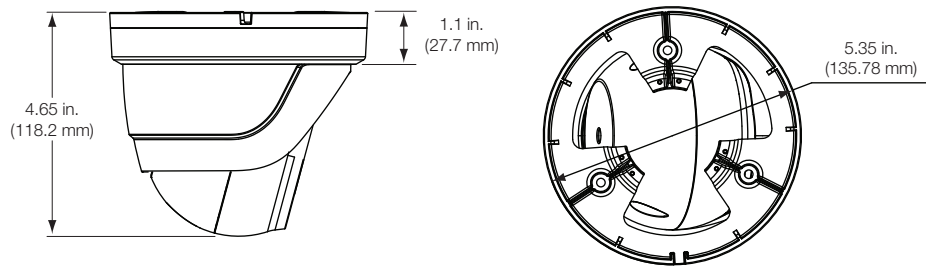
- The TVR15HD Four Channel recorder, (FW v1.1 or higher) – supports a maximum of one HD-TVI 5MPx camera on BNC port 1.
- The TVR15HD/TVR45HD Eight Channel recorders, (FW v1.1 or higher) – supports up to two HD-TVI 5MPx cameras on BNC ports 1 and 2.
- The TVR15HD/TVR45HD Sixteen Channel recorders, (FW v1.1 or higher) – supports up to four HD-TVI 5MPx cameras on BNC ports 1, 2, 3 and 4.

## Dimensional Diagrams

TVT-4401, TVT-2401, TVT-4403, TVT-2403 Fixed Turret Camera (adapter plate included)



TVT-4402, TVT-2402, TVT-4404, TVT-2404 Motorized Varifocal Turret Camera (adapter plate included)



# HD-TVI Analog Turret Cameras

3MPx and 5MPx Resolution Cameras

## Ordering Information

### NTSC

<b>TVT-4401</b>	TruVision® HD-TVI Analog Turret Camera, 3MPx (use with 3MPx or higher TVI Recorders), 2.8mm Lens, True D/N, WDR, 20m IR, Dual-Output 960H Monitor or HD-TVI, Coax OSD control, 12VDC, IP66, NTSC
<b>TVT-4402</b>	TruVision HD-TVI Analog Turret Camera, 3MPx (use with 3MPx or higher TVI Recorders), 2.8~12mm Motorized Lens, True D/N, WDR, 40m IR, Dual Output 960H Monitor or HD-TVI, Coax & Button OSD Control, 12VDC, IP66, NTSC
<b>TVT-4403</b>	TruVision HD-TVI Analog Turret Camera, 5MPx (used w/5MPx or higher TVI recorders), 2.8mm lens, true D/N, DWDR, 20M IR, HD-TVI Output, Coax OSD control, 12VDC, IP67, NTSC
<b>TVT-4404</b>	TruVision HD-TVI Analog Turret Camera, 5MPx (used w/5MPx or higher TVI recorders), 2.8~12mm motorized lens, true D/N, DWDR, 40M IR, HD-TVI Output, Coax & button OSD control, 12VDC, IP67, NTSC

### PAL

<b>TVT-2401</b>	TruVision® HD-TVI Analog Turret Camera, 3MPx (use with 3MPx or higher TVI Recorders), 2.8mm Lens, True D/N, WDR, 20m IR, Dual-Output 960H Monitor or HD-TVI, Coax OSD control, 12VDC, IP66, PAL
<b>TVT-2402</b>	TruVision HD-TVI Analog Turret Camera, 3MPx (use with 3MPx or higher TVI Recorders), 2.8~12mm Motorized Lens, True D/N, WDR, 40m IR, Dual Output 960H Monitor or HD-TVI, Coax & Button OSD Control, 12VDC, IP66, PAL
<b>TVT-2403</b>	TruVision HD-TVI Analog Turret Camera, 5MPx (used w/5MPx or higher TVI recorders), 2.8mm lens, true D/N, DWDR, 20M IR, HD-TVI Output, Coax OSD control, 12VDC, IP67, PAL
<b>TVT-2404</b>	TruVision HD-TVI Analog Turret Camera, 5MPx (used w/5MPx or higher TVI recorders), 2.8~12mm motorized lens, true D/N, DWDR, 40M IR, HD-TVI Output, Coax & button OSD control, 12VDC, IP67, PAL

## Accessories

For TVT-4401/TVT-2401 or TVT-4402/TVT-2402 or TVT-4403/TVT-2403 or TVT-4404/TVT-2404

<b>TVD-BB3</b>	TruVision Dome Back Box
<b>TVD-BB3A</b>	TruVision Angled Back Box
<b>TVD-M2-WM</b>	TruVision Wall Mount
<b>TVB-CB3</b>	TruVision 3 Inch Cup Base (use w/TVD-SNB, TVD-PPB)
<b>TVD-SNB</b>	TruVision Swan Neck Bracket
<b>TVD-SNB-BB</b>	TruVision TVD-SNB Back Box, 4 directional Conduit
<b>TVD-M-CMA</b>	TruVision Corner Mount Adapter
<b>TVD-M-PMA</b>	TruVision Pole Mount Adapter
<b>TVD-PPB</b>	TruVision Dome Pendant Mount Bracket



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