truVision

TVE Series IP Video Encoders

1-, 4-, 8- and 16-Channel

MPEG-4 MJPEG AUDIO DUAL STREAMING

4CIF RESOLUTION 2CIF RESOLUTION CIF RESOLUTION QCIF RESOLUTION ONVIF

OVERVIEW

The TruVision TVE Series IP Video Encoders from Interlogix includes 1-, 4-, 8- and 16-channel encoders, allowing users to transform analog camera signals to a high-quality H.264 compressed IP signal. These encoders also support 960H (Wide D1) that provides higher resolution, which will produce clearer images in a variety of applications. The TruVision TVE Series IP Video Encoders are an ideal solution to gradually upgrade video surveillance systems and migrate from analog to IP. Rather than replacing entire systems, viable analog cameras can be integrated on new IP-based systems, simply by using the range of TruVision encoders.

The TruVision TVE Series IP Video Encoders utilize H.264 compression with dual-streaming capability, making it easy to manage bandwidth usage. These encoders are designed to adhere to ONVIF Profile S open standards, and also support a CGI command set for simple integration into any IP system. Video streams can be set for high and low bandwidth and images can be streamed for live viewing or sent to a designated recording location.

STANDARD FEATURES

Video Encoding Capabilities
• 1-, 4-, 8- and 16-channel encoders
• Supports H.264, MPEG4 and MJPEG compression
• Encoding resolution 960H (960 x 480), 4CIF, 2CIF, CIF, QCIF
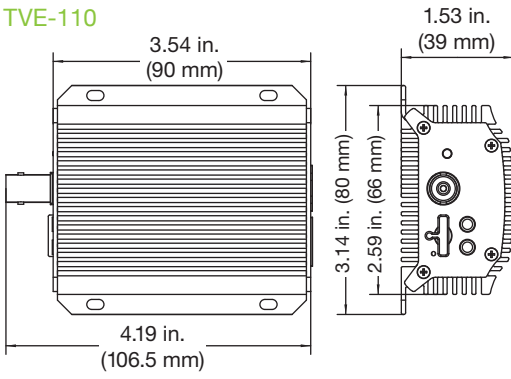• Dual-streaming functionality

Audio, Data and Alarms
• Supports two-way audio
• 64 kbps bit rate
• Line-level input and 600 Ω output
• RS-485 (half-duplex) serial interface
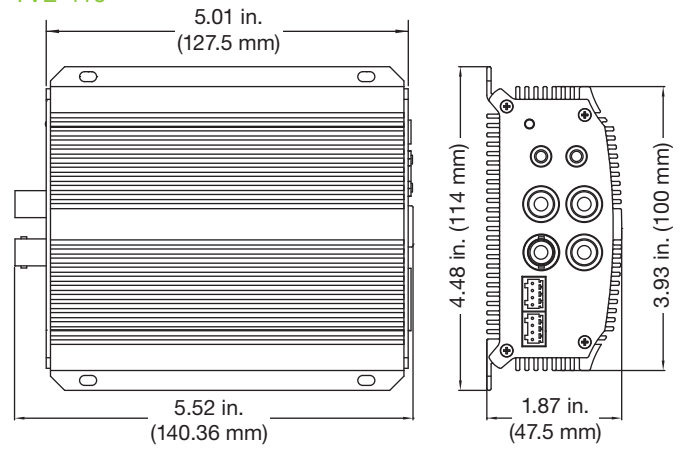• Supports alarm input/output

Compatibility
• Compatible with Interlogix® TruVision Decoders and TruVision NVRs
• Supports OnVIF Profile S and CGI
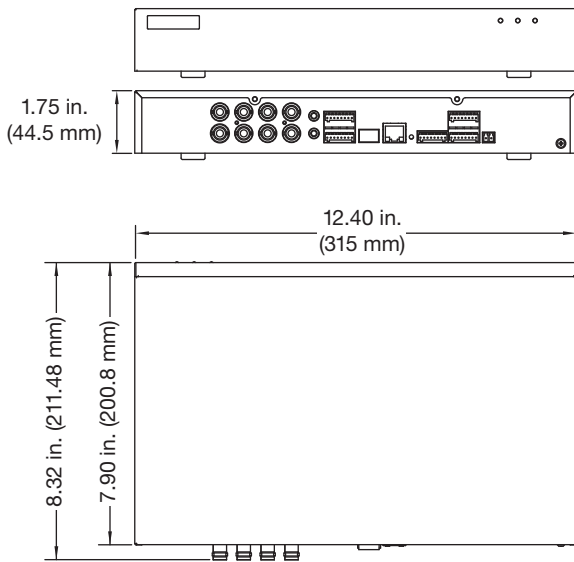• Discoverable via the TruVision Device Manager
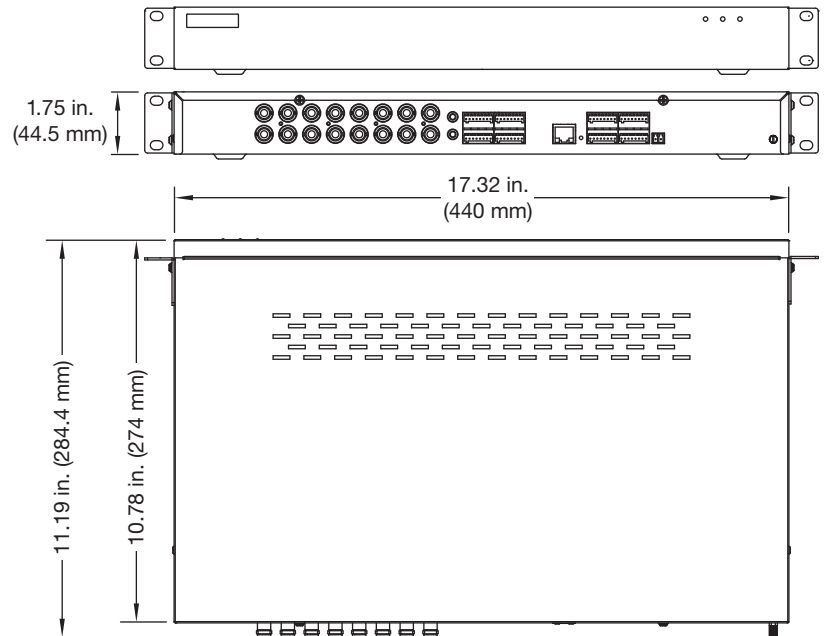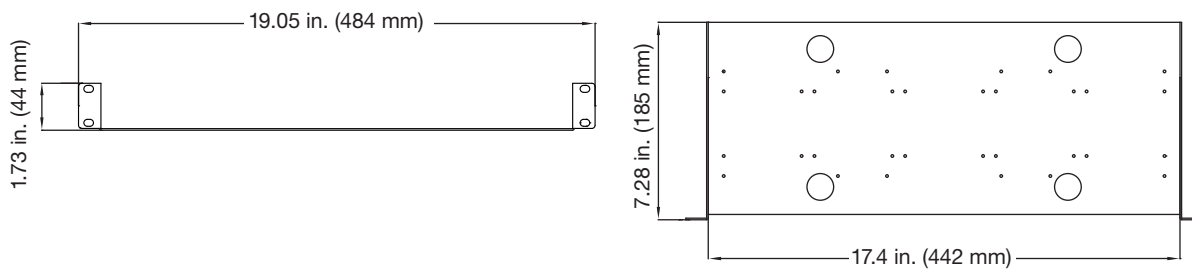
Dimensional Diagrams

TVE-110

3.54 in. (90 mm)

1.53 in. (39 mm)

3.14 in. (80 mm)

2.59 in. (66 mm)

4.19 in. (106.5 mm)

TVE-410

5.01 in. (127.5 mm)

4.48 in. (114 mm)

3.93 in. (100 mm)

5.52 in. (140.36 mm)

1.87 in. (47.5 mm)

TVE-810

1.75 in. (44.5 mm)

12.40 in. (315 mm)

8.32 in. (211.48 mm)

7.90 in. (200.8 mm)

TVE-1610

1.75 in. (44.5 mm)

17.32 in. (440 mm)

11.19 in. (284.4 mm)

10.78 in. (274 mm)

TVE-RMB

19.05 in. (484 mm)

1.73 in. (44 mm)

7.28 in. (185 mm)

17.4 in. (442 mm)

Specifications

	Model	TVE-110	TVE-410	TVE-810	TVE-1610
	Description				

Video/Audio Input	Video Compression	H.264 / MPEG4 / MJPEG			
	Analog Video Input	BNC connector (1.0 Vp-p, 75 Ω); NTSC/PAL adaptive			
	No. of Analog Channels	1	4	8	16
	Audio Compression	G.711u			
	Audio Input (for audio monitoring sensor with power supply)	1-ch, 3.5mm interface (Using Line in)	4-ch pin connector interface (2.0 Vp-p, 1 kΩ)	8-ch pin connector interface (2.0 Vp-p, 1 kΩ)	16-ch pin connector interface (2.0 Vp-p, 1 kΩ)
	Bi-directional Audio Input (for microphone with power supply)	1-ch, 3.5mm interface (2.0 Vp-p, 1 kΩ)	1-ch, 3.5 mm audio (2.0 Vp-p, 1 kΩ)		
Video/Audio Output	Encoding Resolution	960H (960 x 480) / 4CIF (704 x 480) / 2CIF (704 x 240) / CIF (352 x 240) / QCIF (176 x 120)			
	Frame Rate	H.264/MPEG4/MPEG2 encoding: 25 fps / 30 fps; MJPEG encoding: 15 fps			
	Stream Type	Video / Video & Audio			
	Dual Stream	Supported			
	Main Stream Frame Rate	960H (Wide D1) / 4CIF / 2CIF / CIF @ 30 fps (60Hz) / 25 fps (P)			
	Sub Stream Frame Rate	960H (Wide D1) @ 2 fps / 4CIF @ 4 fps / 2 CIF @ 8 fps / CIF @ 12 fps / QCIF @ 30 fps (N) / 25 fps (P)			
	Video Bit Rate	32 kbps ~ Max. 8192 kbps			
	Audio Output (for speaker with power supply)	1-ch, 3.5mm interface (Linear, 600 Ω)			
	Audio Bit Rate	64 kbps			
	Two-way Audio	Supported			
External Interface	Network Interface	1 RJ45 10/100Mbps auto-negotiate Ethernet Interface			
	Serial Interface	1 RS-485 interface, half-duplex			
	Alarm In	1	4	8	16
	Alarm Out	1	2	4	4
Miscellaneous	Protocol	Support ONVIF Profile S, PSIA and CGI			
	PTZ Control Protocol	TruVision RS-485, TruVision RS-422 protocol, Pelco-D, Pelco-P			
	Watermark	Yes			
	NAS	Yes			
	Motion Detection	Yes			
	Local Storage	Micro SD/SDHC card slot, up to 32 GB (card not included)		N/A	
Electrical & Mechanical	Voltage/PoE	12VDC / PoE (IEEE802.3-af)		12VDC / N/A	
	Current	500 mA	670 mA	850 mA	1.85 A
	Consumption	6W (Max.)	8W (Max.)	10W (Max.)	22W (Max.)
	Operating Temperature	14°F~131°F (-10°C~+55°C)			
	Operating Humidity	10%~90%			
	Dimensions	3.2 x 1.5 x 3.5 in. (80 x 39 x 90mm)	4.5 x 1.9 x 5 in. (114 x 48 x 128mm)	12.4 x 1.8 x 7.9 in. (315 x 45 x 200mm)	17.3 x 1.8 x 10.8 in. (440 x 45 x 274mm)
	Weight	0.6 lbs. (270g)	1.23 lbs. (557g)	3.08 lbs. (1396g)	5.48 lbs. (2486g)
	Installation	Desktop and rack-mount. For rack mounting the TVE-110/410/810 encoders, use the TVE-RMB rack mount bracket.			
Regulation	Compliance	FCC, CE, UL, C-Tick, REACH, RoHS, WEEE			

TVE Series IP Video Encoders

1-, 4-, 8- and 16-Channel

Interlogix

National Sales Enquiries

1300 361 479

Ground Floor
10 Ferntree Place
Notting Hill, Victoria 3168
T: +61 3 239 1200
W: www.interlogix.com.au

Ordering Information

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

Accessory

TVE-RMB	TruVision Encoder Rack Mount Bracket (use with TVE-110/410/810)

interlogix

United Technologies

interlogix.com.au