## truVision

# High Definition IP Video Decoder





## **OVERVIEW**

The TruVision High Definition IP Video Decoder from Interlogix is the ideal solution to convert compressed IP video streams to analog video output for optimal video surveillance. Based on an advanced DSP and stable-embedded system design, the TruVision High Definition Video Decoder provides high-resolution decoding functionality for both live-view and playback streams from TruVision IP cameras, DVRs and NVRs.

This decoder can decode two 5MP, four 1080p, eight 720p or sixteen 960H (Wide D1) resolution images while transmitting over multiple output interfaces. The decoder can also decode multiple streams from a TruVision 360° degree camera. Up to 64 discrete IP streams can be displayed using the decoder's sequencing function.

#### **Remote Video Display**

The TruVision High Definition IP Video Decoder can also be used to display video at remote locations by connecting it to IP streams and decoding it through one of the unit video outputs with no PC required.

## STANDARD FEATURES

#### **Decoding Capabilities**

- Multi-channel decoder
- Supports H.264 and MPEG4 compression
- Powerful Real-time decoding

#### Monitor & Display

- Full HD output
- Choice between three video outputs (HDMI, VGA, BNC)
- Sequence up to 64 cameras
- Views based on alarm activity
- Supports up to 16 channel views on one display

#### Compatibility

- TruVision Encoders
- TruVision IP cameras (up to 5MPx)
- TruVision standard definition cameras
- Discoverable via the TruVision Device Manager

## High Definition IP Video Decoder

Specifications

View Production     Production Production       VGA Output     1-channel VGA output Resolution: 1920 × 1080 @ 50/60Hz 1050 × 1200 @ 60Hz 1280 × 720 @ 50/60Hz 1280 × 720 @ 50/60Hz 1024 × 768 @ 60Hz       Video/Audio Decoding     IP Video Input     1-channel HDMI output Resolution: 1920 × 1080 @ 60Hz 1280 × 720 @ 50/60Hz 1024 × 768 @ 60Hz       Video/Audio Decoding     IP Video Input     H.264 / MPEG4       Video Decoding Channels Video Decoding Channels at 1080P (1920 × 1080) 8-channels at 1080P (1920 × 720) 16-channels at 1080P (1920 × 720) 16-channels at 720P (1280 × 720) 16-channels at 960H (960 × 480) resolution       Multi-division Display Mode     1 / 4 / 9 /16       Frame Rate     30 fps (NTSC) / 25 fps (PAL)       Audio Compression     G.722 / G.711A / G.711U / MPEG2-12 / ACC       External Interface     1 RJ45 10/100/1000Mbps (Auto-negotiate)       Serial Interface     1 RJ45 10/100/1000Mbps (Auto-negotiate)       Serial Interface     1 RJ45 10/100/1000Mbps (Auto-negotiate)       Electrical & Mechanical     4  <	Model		TVE-DEC11
Resolution: 1920 × 1080 © 50/60Hz 1600 × 1200 © 60Hz 1280 × 2024 © 60Hz 1280 × 202 © 50/60Hz 1280 × 202 © 50/60Hz 1024 × 768 © 60HzHDMI Output1-channel HDMI output Resolution: 1920 × 1080 © 50/60Hz 1024 × 768 © 60HzVideo/Audio Decoding1-channel HDMI output Resolution: 1024 × 768 © 60HzVideo/Audio Decoding1-channel RCAVideo/InputH.264 / MPEG4Video/InputH.264 / MPEG4Video/InputH.264 / MPEG4Video/InputH.264 / MPEG4Video/InputH.264 / MPEG4Video/InputH.264 / MPEG4Multi-division Display Mode1 / 4 / 9 /16Frame Rate30 fps (NTSC) / 25 fps (PAL)Audio CompressionG.722 / G.711A / G.711U / MPEG2-L2 / ACCAudio CompressionG.722 / G.711A / G.711U / MPEG2-L2 / ACCExternal Interface1 RS-485 and & 1 RS-232 serial interfaceBidirectional Audio Input2-cha, 3.5mm connector (2.0 Vp-p, 1 kΩ)Aurm Outputs4Aurm Outputs4Aurm Outputs4Aurm Outputs4ConsumptionMax. 15WOperating Temperature14°F~131°F (-10°C~+55°C)Operating Temperature14°F~131°F (-10°C~+55°C)	Video/Audio Output	CVBS Output	1-channel BNC output
Resolution: 1920 × 1080 @ 50/60Hz 1920 × 1024 @ 60Hz 1280 × 1024 @ 60Hz 1280 × 7024 @ 60Hz       Video/Audio Decoding     IP Video Input     I-channel, RCA       Video/Audio Decoding     IP Video Input     H.264 / MPEG4       Video/Audio Decoding     IP Video Input     H.264 / MPEG4       Video/Audio Decoding Channels     2-channels at 5MP (2592 × 1944) 4-channels at 700P (1280 × 720) 16-channels at 960H (960 × 480) resolution       Multi-division Display Mode     1 / 4 / 9 / 16       Farme Rate     30 fps (NTSC) / 25 fps (PAL)       Audio Compression     G.722 / G.711A / G.711U / MPEG2-L2 / ACC       External Interface     Network Interface     1 RJ45 10/100/1000Mbps (Auto-negotiate)       Serial Interface     1 RS-485 and & 1 RS-232 serial interface       Bidirectional Audio Input     2-ch, 3.5mm connector (2.0 Vp-p, 1 kQ)       Aurm Outputs     4       Aurm Outputs     4       Consumption     Max. 16W       Operating Temperature     1/27 F (-10°C-+55°C)       Operating Humidity     10%-90%       Dimensions (W x H x D)     8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)		VGA Output	Resolution: 1920 × 1080 @ 50/60Hz 1600 × 1200 @ 60Hz 1280 × 1024 @ 60Hz 1280 × 720 @ 50/60Hz
Video/Audio Decoding     IP Video Input     H.264 / MPEG4       Video Decoding Channels     2-channels at 5MP (2592 x 1944) 4-channels at 1080P (1920 x 1080) 8-channels at 1720P (1280 x 720) 16-channels at 720P (1280 x 720) 17-channels at 720P (1280 x 720) 18-channels at		HDMI Output	Resolution: 1920 × 1080 @ 50/60Hz 1600 × 1200 @ 60Hz 1280 × 1024 @ 60Hz 1280 × 720 @ 50/60Hz
DecodingIn video inputInterventVideo InputIntervent2-channels at 5080P (2592 x 1944) 4-channels at 1080P (1920 x 1080) 8-channels at 720P (1280 x 720) 16-channels at 7020P (1280 x 720) 16-channels at 960H (960 x 480) resolutionMulti-division Display Mode1 / 4 / 9 / 16Frame Rate30 fps (NTSC) / 25 fps (PAL)Audio CompressionG.722 / G.711A / G.711U / MPEG2-L2 / ACCExternal InterfaceNetwork Interface1 RJ45 10/100/1000Mbps (Auto-negotiate)Serial Interface1 RS-485 and & 1 RS-232 serial interfaceBidirectional Audio Input2-ch, 3.5mm connector (2.0 Vp-p, 1 kΩ)Alarm Inputs4Alarm Outputs4Current1.25 ACurrent1.25 AConsumptionMax. 15WOperating Temperature14°F~131°F (-10°C~+55°C)Operating Temperature14°F~131°F (-10°C~+55°C)Operating Temperature10%~90%Dimensions (W x H x D)8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)Weight2.5 lbs. (1.12 kg)		Audio Output	1-channel, RCA
Video Decoding Channels2-channels at 5MP (2592 x 1944) 4-channels at 1080P (1920 × 1080) 8-channels at 720P (1280 × 720) 16-channels at 960H (960 x 480) resolutionMulti-division Display Mode1 / 4 / 9 / 16Frame Rate30 fps (NTSC) / 25 fps (PAL)Audio CompressionG.722 / G.711A / G.711U / MPEG2-L2 / ACCExternal Interface1 RJ45 10/100/1000Mbps (Auto-negotiate)Serial Interface1 RS-485 and & 1 RS-232 serial interfaceBidirectional Audio Input2-ch, 3.5mm connector (2.0 Vp-p, 1 kΩ)Aarm Outputs4Aarm Outputs4Current1.25 ACurrent1.25 AConsumptionMax. 15WOperating Temperature14°F~131°F (-10°C~+55°C)Operating Temperature10%~90%Dimensions (W x H x D)8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)Weight2.5 lbs. (1.12 kg)	Video/Audio Decoding	IP Video Input	H.264 / MPEG4
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Network interface111043 10/100/1000000ps (kutofflegotiate)Serial Interface1 RS-485 and & 1 RS-232 serial interfaceBidirectional Audio Input2-ch, 3.5mm connector (2.0 Vp-p, 1 kΩ)Alarm Inputs4Alarm Outputs4Electrical & MechanicalVoltage12VDCCurrentConsumptionMax. 15WOperating Temperature14°F~131°F (-10°C~+55°C)Operating Humidity10%~90%Dimensions (W x H x D)8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)Weight2.5 lbs. (1.12 kg)		Audio Compression	G.722 / G.711A / G.711U / MPEG2-L2 / ACC
Bidirectional Audio Input2-ch, 3.5mm connector (2.0 Vp-p, 1 kΩ)Alarm Inputs4Alarm Outputs4Electrical & MechanicalVoltageIcurrent1.2VDCCurrent1.25 AConsumptionMax. 15WOperating Temperature14°F~131°F (-10°C~+55°C)Operating Humidity10%~90%Dimensions (W x H x D)8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)Weight2.5 lbs. (1.12 kg)	External Interface	Network Interface	1 RJ45 10/100/1000Mbps (Auto-negotiate)
Alarm Inputs   4     Alarm Outputs   4     Alarm Outputs   4     Electrical &   Voltage   12VDC     Current   1.25 A     Consumption   Max. 15W     Operating Temperature   14°F~131°F (-10°C~+55°C)     Operating Humidity   10%~90%     Dimensions (W x H x D)   8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)     Weight   2.5 lbs. (1.12 kg)		Serial Interface	1 RS-485 and & 1 RS-232 serial interface
Alarm Outputs   4     Electrical &   Voltage   12VDC     Current   1.25 A     Consumption   Max. 15W     Operating Temperature   14°F~131°F (-10°C~+55°C)     Operating Humidity   10%~90%     Dimensions (W x H x D)   8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)     Weight   2.5 lbs. (1.12 kg)		Bidirectional Audio Input	2-ch, 3.5mm connector (2.0 Vp-p, 1 kΩ)
Electrical &   Voltage   12VDC     Mechanical   Current   1.25 A     Consumption   Max. 15W     Operating Temperature   14°F~131°F (-10°C~+55°C)     Operating Humidity   10%~90%     Dimensions (W x H x D)   8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)     Weight   2.5 lbs. (1.12 kg)		Alarm Inputs	4
Mechanical   Voltage   12750     Current   1.25 A     Consumption   Max. 15W     Operating Temperature   14°F~131°F (-10°C~+55°C)     Operating Humidity   10%~90%     Dimensions (W x H x D)   8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)     Weight   2.5 lbs. (1.12 kg)		Alarm Outputs	4
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Provide the matrix of the matr		Dimensions (W x H x D)	8.7 x 5.82 x 1.8 in. (220 x 148 x 45mm)
Regulation Compliance FCC, CE, UL, C-Tick, REACH, RoHS, WEEE		Weight	2.5 lbs. (1.12 kg)
	Regulation	Compliance	FCC, CE, UL, C-Tick, REACH, RoHS, WEEE

### **Ordering Information**

TVE-DEC11

 $\ensuremath{\mathsf{TruVision}}^{\otimes}$  IP Video Decoder to BNC, HDMI and VGA Output, Audio, Alarm, 12VDC

## Specifications subject to change without notice.

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### Dimensional Diagram





