TVE-420

Truvision IP Encoder, 4 CH, 960H or HD-TVI (5MP max.), Audio, Alarm, RS-485, PoE-af /12VDC, Compact

Overview

The TruVision TVE Series IP Video Encoders includes 1-, 4-, 8- and 16-channel encoders, allowing you to transform analog camera signals to a H.265 compressed IP signal. This product is an ideal solution to help you gradually upgrade and migrate video surveillance systems from analog to IP. Instead of replacing entire systems, viable analog cameras can be integrated in new IP based systems, simply by using the range of TruVision encoders.



Compression & streaming

TruVision encoders utilize H.265 compression with dual-streaming capability, making it easy to manage the encoder's bandwidth usage. These encoders are designed to adhere to PSIA and ONVIF open communication 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.

Details

- 4 channel encoder
- Supports H.265, H.264 and MJPEG compression
- Encoding resolution 5 MP@12fps, 4 MP@15fps, 3 MP@18fps, 1080p/720p/WD1/4CIF/VGA/CIF@25fps or 30fps
- Dual streaming functionality
- Compliant to ONVIF/PSIA/CGI
- 4 channel audio input
- 4 alarm inputs
- 2 alarm output

TVE-420

Truvision IP Encoder, 4 CH, 960H or HD-TVI (5MP max.), Audio, Alarm, RS-485, PoE-af /12VDC, Compact

Technical specifications

General

Technology	Encoder (Analog to IP)
Supported video standard	ONVIF
Motion detection	Yes
Supported PTZ protocols	Pelco-D, Pelco-P, TruVision RS-422, TruVision RS-485
Watermark	Yes
NAS support	Yes
Software compatibility	TruVision Navigator, TVRmobile

Video/audio inputs

Video standard	NTSC, PAL
Video compression	H.264, MJPEG, MPEG-4
Analog video inputs	4
Audio compression	G.711
Audio inputs	4-ch, Pin Connector Interface (2 Vp-p, 1 kΩ)
Bi-directional audio inputs	1-ch, RCA (2.0 Vp-p, 1 kΩ) Using Audio In

Video/audio outputs

Video bit rate	32 kbps to Max. 8192 kbps
Stream type	Audio, Video
Multi streaming	Dual Streaming
Main stream resolution fps	2CIF@25fps, 4CIF@25fps, 960H@25fps, CIF@25fps
Sub stream resolution fps	2CIF@8fps, 4CIF@4fps, 960H@2fps, CIF@12fps, QCIF@25fps
Audio outputs	1-ch, 3.5 mm Interface (Linear, 600 Ω)
Audio bitrate	64 kbps

Interfaces

Network interface	1, RJ45 10 M / 100 M Auto-Negotiate Ethernet Interface
Serial interface	RS-485
Alarm inputs	4
Alarm out	2

Electrical

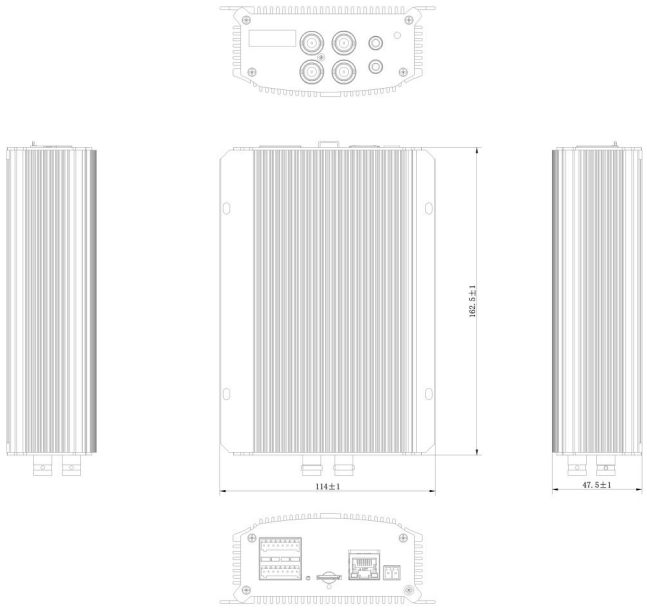
Power supply type	VDC
Power supply value	12 VDC / PoE (IEEE802.3-af)
Power consumption	Max. 8 W
Current consumption	670 mA

Physical

Physical dimensions	114 x 48 x 128 mm
Net weight	557 g
Form factor	Desktop

Environmental

Operating temperature	-10 to +55°C 14 to 131°F
Relative humidity	10 to 90% noncondensing



As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 28 August 2026 - 10:55