

# TVE Series

4-, 8- and 16-Channel  
Analog to IP Encoders



## OVERVIEW

The TVE Series includes 4-, 8- and 16-channel encoders, allowing users to transform analog camera signals to a high-quality H.264 compressed IP signal. TVE series 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.

TruVision encoders utilize H.264 compression with dual-streaming capability, making it easy to manage 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.

## STANDARD FEATURES

- 4-, 8- and 16-channel encoders
- H.264 compression
- Real-time 4CIF on all channels
- Compliant to ONVIF/PSIA/CGI
- 1-channel audio input
- 4 alarm inputs
- 1 alarm output
- Dual-streaming functionality

# TVE Series

North America  
T 855-286-8889

Asia  
T 852-2907-8108

Australia  
T 61-3-9239-1200

Europe  
T 32-2-725-11-20

Latin America  
T 561-998-6114

4-, 8- and 16-Channel  
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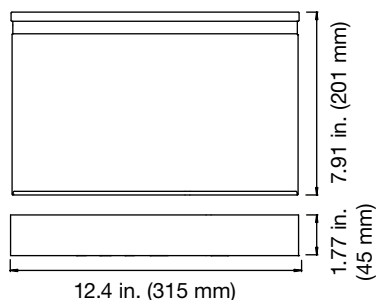
## Specifications

| Model                     | TVE-400   | TVE-800  | TVE-1600                  |                            |
|---------------------------|---|--|---------------------------|----------------------------|
| <b>Video/Audio Input</b>  | Video Compression                                       | H.264  |                           |                            |
|                           | Analog Video Input (1.0 V p-p, 75 Ω); NTSC/PAL adaptive | 4-channel, BNC connectors                              | 8-channel, BNC connectors | 16-channel, BNC connectors |
|                           | Audio Compression                                       | G.711  |                           |                            |
|                           | Audio Input   | 1-channel, RCA connector, (2 Vp-p, 1 Ω)                |                           |                            |
|                           | Bi-directional Audio Input                              | 1-channel, RCA (2.0 V p-p, 1 kΩ) (Using AUDIO IN)      |                           |                            |
| <b>Video/Audio Output</b> | Audio Output  | 1-channel, RCA connector (Linear, 1 kΩ)                |                           |                            |
|                           | Main-stream Frame Rate                                  | 4CIF / 2CIF / CIF @ 30 fps (NTSC) / 25 fps (PAL)       |                           |                            |
|                           | Sub-stream Frame Rate                                   | CIF@ 6 fps or QCIF @ 30 fps (NTSC) / 25 fps (PAL)      |                           |                            |
|                           | Video Bit Rate  | 32 kbps to 2048 kbps, or user-defined (Max. 3072 kbps) |                           |                            |
|                           | Stream Type   | Video / Video & Audio                                  |                           |                            |
|                           | Audio Bit Rate  | 64 kbps  |                           |                            |
|                           | Dual-streaming  | Supported  |                           |                            |
| <b>External Interface</b> | Network Interface                                       | 1 RJ45 10M/100M adaptive Ethernet Interface            |                           |                            |
|                           | Serial Port   | 1 RS-485 interface, half-duplex                        |                           |                            |
|                           | Alarm In  | 4  |                           |                            |
|                           | Alarm Out   | 1  |                           |                            |
| <b>Miscellaneous</b>      | Protocol  | Supports CGI, PSIA and ONVIF                           |                           |                            |
|                           | Current (Max.)  | 1 Amp  | 1.5 Amps                  | 2 Amps                     |
|                           | Operating Temperature                                   | -10 to +55C° (14 to 131 °F)                            |                           |                            |
|                           | Operating Humidity                                      | 10 to 90%  |                           |                            |
|                           | Dimensions (W x H x D)                                  | 12.4 x 1.77 x 7.91 in. (315 x 45 x 201mm)              |                           |                            |
|                           | Weight  | 1.4 kg (3.08 lbs.)                                     | 1.5 kg (3.3 lbs.)         | 1.6 kg (3.53 lbs.)         |

## Ordering Information

|                 |   |
|-----------------|---|
| <b>TVE-400</b>  | TruVision™ Encoder 4-channel analog to IP |
| <b>TVE-800</b>  | TruVision Encoder 8-channel analog to IP  |
| <b>TVE-1600</b> | TruVision Encoder 16-channel analog to IP |

## Dimensional Diagram



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Specifications subject to change without notice.

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