Model EN-48
Universal Multiple Program
MPEG-2 / H.264 SD/HD Video Transcoder

APPLICATIONS
Perfect for converting up to six MPEG-2 HD Programs to H.264 HD programs for band limited DSL circuits or Converting H.264 Programs to MPEG-2 for low cost Legacy Set-top Boxes. The EN-48 supports the live Encoding and Transport over Closed or Open IP Networks. Wired or Wireless the live video can be viewed on mobile devices of various screen sizes simultaneously.

DESCRIPTION
The TVS model EN-48 Transcoder can convert virtually any MPEG transport stream and format to another depending upon the application requirements. This includes virtually any audio and video formats. Some applications are below.
It can convert up to six MPEG-2 HD Broadcast Programs from 19 mbps to six H.264 HD programs to 3.75 to 8 mbps for transport over DSL circuits. Alternately you can convert six H.264 SD programs to MPEG2 to allow H.264 programs to be used with low cost or legacy Set-Top boxes.

FEATURES
- Ethernet Inputs and Outputs
- SPTS or MPTS Transport Streams
- HTTP Live Streaming (HLS)
- Full GUI control of all parameters
- Centralized control over several encoding servers
- No need for additional hardware resources to manage servers’ control
- Extremely High Quality Video
- Low power Compact Size
Specification

INPUT INTERFACE
- Ethernet IP (UDP, RTP)

INPUT FORMATS
**Video**
- AVC/H.264, MPEG-2

**Audio**
- AAC (Advanced Audio Codec), MPEG-1/2 Audio Layer I/II/III, PCM
- Dolby Decoding or Pass Through

OUTPUT FORMATS
**Stream Types**
- MPEG-2 TS (UDP and RTP Multicast)

**Video**
- AVC/H.264 - Baseline, Main, and High @ Levels 1, 1.1, 1.2, 1.3, 2, 2.1, 2.2, 3, 3.1, 3.2, 4, 4.1, 4.2, 5, 5.1, and auto level selection
- MPEG-2 - Simple, Main, High and 4:2:2 Profiles including all Levels Low, Main, High, and High1440

**Audio**
- AAC, HE-AAC (v.1), MPEG-1/2 Layer I/II

PREPROCESSING
- Audio level correction
- Audio resampling
- Cropping
- Color correction
- Deinterlacing
- Denoising
- Frame rate conversion
- Logo overlay
- Picture resizing

CONTROL
- Multiplexing and transport configuration
- Network configuration
- Preprocessing and encoding control
- Management and monitoring via HTTP, SNMP and command line
- System information monitoring

Redundancy
No chance of a black screen

Centralized allows control over several encoding servers
No need for additional hardware resources to manage servers’ control

Optional Logo insertion
Inexpensive solution for additional and operator’s logo insertion at any part of the output picture

Power 75 Watt AC
Dimensions: 19” Height X 8.5” Width X 1.75” Depth