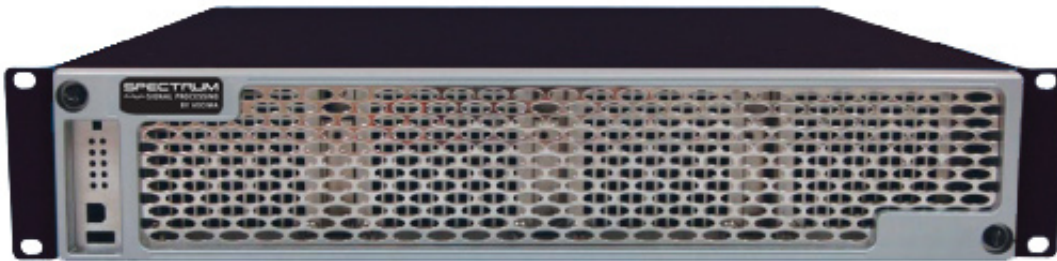




Description

The DM-1332 offers cost-effective, high-quality, real-time transcoding of up to thirty standard-definition (SD) programs from MPEG-2 to MPEG-4 H.264, in a compact 2RU 19" form factor. Audio may either be passed-through unchanged or transcoded from MPEG-1 Layer 2 to AAC-LC. Logo insertion may be performed on either a transcoded program or a pass-through MPEG-2 program.

The default configuration of the DM-1332 accepts multiple MPEG-2 transport stream inputs (either MPTS or SPTSs) and outputs multiple MPEG-2 transport streams (SPTSs) over Gigabit Ethernet. Transcoder settings can be configured remotely using SSH or a browser-based configuration utility, or locally using RS-232.



Benefits

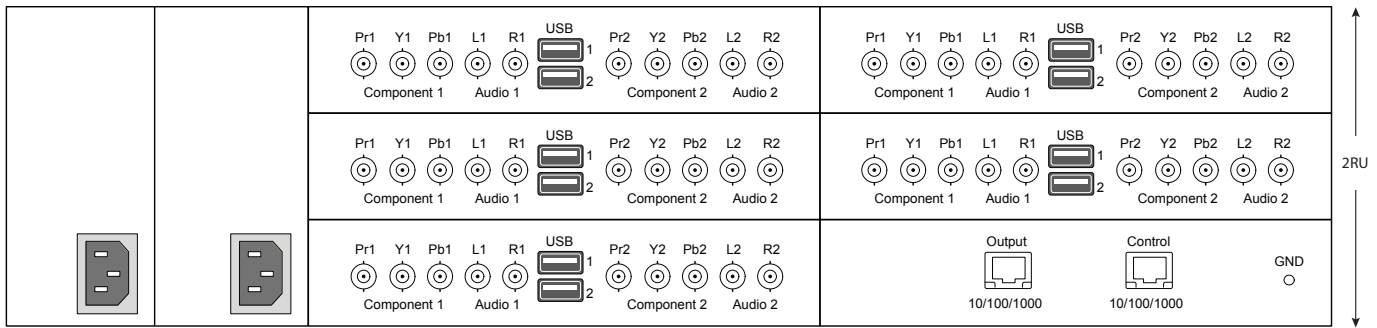
- Migrate your MPEG-2 solution to H.264 to improve bandwidth efficiency without a hardware upgrade
- Brand your content with alpha blended logo insertion
- Software upgradeable to support multiple encoding formats and custom video applications*
- Ideal for space-constrained environments, can be wall or rackmounted

Target Applications

- Distance Education
- Digital Program Distribution
- Remote Broadcast
- Networked Video
- IP Television

Features

- Real-time transcoding of up to 30 program SD channels from MPEG-2 to H.264
- Select which channels in incoming MPTS to process
- Audio pass-through and resync, or transcode from MPEG-1 Layer 2 to AAC-LC
- Two Gigabit Ethernet outputs
- Logo insertion with alpha blending
- 2RU 19" rackmount form-factor
- Remote configuration and management via SSH or web-based GUI
- Dual redundant power supplies
- Optional alternative software load to support encoding of HD or SD analog inputs



DM-1332 Back Panel (Connector layout may vary)

Specifications

[Input Processing]

- Input Interface - Gigabit Ethernet (RJ-45 Connector)
- ISO/IEC 13818-1 compliant MPEG-2 TS Demux (w/ support for MPTS and SPTS)
- Support for Programs carrying MPEG-2 Video and MPEG-1 Layer 2 Audio
- Selection of channel from MPTS for processing.
- MPEG-2 MP@ ML Decoder - up to D1 - PAL / NTSC, 6 Mbps
- MPEG-1 Layer 2 Decoder - up to 48.0 kHz 384 kbps Stereo

[Video Processing]

- H.264 BP/MP Encoder - up to D1 - PAL / NTSC, 1.5-2.5 Mbps
- MPEG-2 MP Re-encoder - up to D1 - PAL / NTSC with alpha blended logo insertion

[Audio Processing]

- AAC-LC Encoder- up to 48.0 kHz 256 kbps stereo
- Pass through MPEG-1 Layer 2
- A/V resync

[Output Processing]

- ISO/IEC 13818-1 compliant MPEG-2 Single Program Transport stream per transcoder
- Audio/Video Mux
- Configurable PIDs and PCR interval
- Variable bit rate (VBR) or adjustable constant bit rate (CBR)
- Transport Protocol: UDP/IP
- Unicast and Multicast
- Output Interface - Gigabit Ethernet (RJ-45 Connector)

[Physical and Power]

- Form factor: 19" 2U rackmount
- Dimensions: 19" (W) x 18" (D) x 3.5" (H)
- 115 V/230 VAC, 50/60 Hz power
- Power Consumption: 160 W max, depending on options
- Dual redundant power supplies

[Environmental]

- Operational Temperature: 0°C to 40°C
- Storage Temperature: -20°C to 60°C
- Humidity: 5 to 95% non-condensing, operating

[Management Interfaces]

- Remote configuration via SSH or web-based GUI control via Ethernet
- Remote logging via Syslog
- Software upgradeable via Ethernet

[*Optional (Future) Processing]

- Video transcoding from MPEG-4 AVC HD/ H.264 to MPEG-2
- Video encoding to MPEG-2 or MPEG-4 AVC HD/ H.264
- Audio transcoding from AAC-LC or MPEG-1 Layer 2 to Dolby AC3
- Audio encoding to AAC-LC or Dolby AC3
- RTP over UDP/IP Transport Protocol

[*Optional (Future) Input Interfaces]

- Composite (SD Only), S-Video (SD Only)
- SDI (SD or HD) with embedded audio
- HDMI

[*Optional (Future) Output Interfaces]

- QAM RF Output
- DVB-ASI Output
- DVB-SPI Output
- 8-bit parallel LVDS