Overview

H.264 is the preferred compression standard for streaming and IPTV. H.264 is preferred by the fastest growing segments of the content distribution landscape.

The Pviper II 8ch HDMI/Muxed IP is a multichannel HD audio & video H.264 encoder and multiplexer. It features two to 8 HDMI video input interfaces, supporting MPEG-4 video encoding and MPEG 1 Layer 2 audio encoding. This device simultaneously encodes 10 channels of HD audio & video. Moreover, it has two IP output ports that support one MPTS and/or up to 8 SPTS outputs.

Its highly integrated and cost effective design make the Pviper II 8ch HDMI/Muxed IP ideal for a variety of digital distribution systems, such as cable TV digital head-end, satellite digital TV broadcasting, etc.

Logo, OSD, and QR Code Insertion

Applications

- Content repurposing
- Backhaul applications
- HD or SD video via private IP networks
- Electronic News Gathering (ENG)
- School and hotel TV systems
Specifications

Video Input
Up to 8 HDMI inputs

Video
- Encoding: MPEG-4 AVC/H.264
- Resolutions: Inputs: 1920x1080p 60, 1920x1080i 60, 1920x1080p 50, 1920x1080i 50, 1280x720p 60, 1280x720p 50, 720x576i 50, 720x480i 60
- Outputs: 1920x1080p 30, 1920x1080p 25, 1280x720p 30, 1280x720p 25, 720x576p 25, 720x480p 30
- Bit Rates: 1 Mbps ~ 13 Mbps each channel
- Latency: 750 milliseconds
- Rate Control: CBR/VBR
- GOP Structure: IP...P (P Frame adjustment, without B Frame)

Audio
- Encoding: MPEG-1 Layer II
- Sampling Rate: 48 KHz
- Resolution: 24 bit
- Bit Rates: 64 kbps, 128 Kbps, 224 kbps, 256 kbps, 320 kbps, 384 kbps

Multiplexing/Re-multiplexing
- Maximum PID Remapping: 180 inputs per channel
- Functions:
  - PID re-mapping (automatically or manually)
  - Accurate PCR adjusting
  - Automatically generates and regenerates PSI/SI table

Stream Outputs
- IP Outputs: 8 SPTS IP outputs and/or one MPTS IP output over UDP/RTP, 1000 Base-T Ethernet interface
- ASI: DVB-ASI output as copy of MPTS

Logo and Text Insertion
- Logos: Add logo files to system memory, select as needed
- Text: Select text and background colors, enter text on screen
- Insertion: Add logos and text for one channel, a single program, or all programs and channels. Drag and drop to position on screen.

System Functions
- Management: Web-based network management
- Language: English
- Upgrades: Ethernet software upgrades

Physical
- Power Supply: AC 100V±10%, 50/60 Hz, AC 220V±10%, 50/60 Hz
- Power Consumption: 70 Watts
- Dimensions (WxHxD): 18.98 x 1.73 x 16.15 inches (1 RU) 482 x 44 x 410 millimeters
- Weight: 17.64 lbs. (8 kg)
- Operating Temperature: 0 to 45°C
- Storage Temperature: -20 to 80°C
- Conformities: FCC, CE, RoHS

Ordering Info
Pviper II 8ch HDMI/Muxed IP