Overview

IP is quickly becoming the dominant infrastructure for reliable delivery of digital content to broadcasters and head ends. ASI is the legacy I/O standard in broadcast and cable.

Multiplexers combine many MPEG-2 and/or H.264 transport streams into a single multiplex transport stream, or “mux” for short. They also combine several multiplexes into a single remultiplex, or “remux”.

The T-Mux™ IP/ASI+IP is a professional transport stream multiplexer with many GigE inputs and a single ASI output. It also combines or multiplexes 50+ incoming MPEG-2 and/or H.264 IP Transport Streams, SPTS or MPTS to MPTS.

Audio stream types supported are: AC-3, Enhanced AC-3, MPEG Audio (Layers I, II, and III), AAC, DTS.

Both cable companies and IP TV operators source content via dedicated IP circuits. At the end point this device is designed to feed DVB-S/S2 or 8VSB modulators, Edge QAMS, or VOD servers. This unit provides an affordable way to deliver multiplexed content across a hybrid infrastructure.
Sample GUIs

Specifications

Inputs
- 2-7 IP input ports (H.264 or MPEG-2)
- IP Input Protocols: UDP, RTP (10/100/1000 Mbps)
- IP Throughput: Up to 300 Mbps (combined throughput for all seven ports)
- Audio: AC-3, Enhanced AC-3, MPEG Audio (Layers I, II, and III), AAC, and DTS
- SMPTE 302M 8 channel audio (pass through)

DVB-ASI Output
- Outputs: One multiplexed ASI transport stream
- DVB-ASI: 188 byte MPTS
- DVB-ASI Throughput: Manageable to 213 Mbps

IP Output
- IP: One multiplexed IP MPTS

Administration
- Access: Front panel controls, Web interface

Physical & Power
- Power Supply: 270W ATX power (85-265 volts)
- Temperature Range: Operating: -45°C (32-113°F) Storage: -20-70°C (-4-158°F)
- Non-operating Humidity: 10% to 95% relative humidity, non-condensing
- Dimensions – 1 RU: 15.53 x 16.93 x 1.73 inches (L x W x H)
- Weight: 21.61 lbs. (9.8 kg)
- Conformities: FCC class A, CE class A, RoHS

Ordering Information

T-Mux IP/ASI+IP – Seven UDP/RTP input ports, one ASI output port

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