T-Mux ASI/8™
Professional TS Multiplexer with 8 DVB-ASI Inputs – Combines 2 to 8 MPEG-2 and/or H.264 Transport Streams, SPTS or MPTS, into Two Mirrored ASI Outputs. Automatically Re-generates PSI and SI Tables. Retimes PCRs. Supports PID Re-mapping, Service Filtering, and PSI/SI Editing. Able to Insert Electronic Program Guides, Conditional Access, and Other Data. Useful for Removing and Simply Re-mapping Services in MPTS Streams. Input Stream Bit Rates up to 150 Mbps per Channel, Output Stream Bit Rates up to 108 Mbps per Channel.

Features
- Multiplexes two to eight transport streams (SPTS/MPTS)
- Muxes MPEG-2 and H.264/MPEG-4 AVC streams
- Two mirrored DVB-ASI transport stream outputs
- Works well as a demultiplexer
- PID re-mapping and transport stream processing
- Supports PSI/SI editing
- PSI/SI auto-generation and processing – can over-ride auto-generation if desired
- Support for service filtering and electronic program guide (EPG) insertion
- Private data insertion
- Program sorting support
- SDT table reflection support
- Extracts PSI/SI information from any route of SPTS/MPTS inputs
- Transport stream input rates up to 150 Mbps per channel
- Transport stream output rate up to 108 Mbps per channel
- Configures up to 40 transport streams under NIT table
- PCR check and CBR output
- Monitors all eight inputs in real time
- Configure and operate via front panel controls or web-based remote management
- Works with all major professional equipment in the market
- Will retain PID structure when any input is disconnected
- Fully complies with ISO13818 and EN300468

Applications
- Small to medium re-multiplexing and stream processing applications
- Satellite or Cable broadcasting
- Local transport stream creation
- Head-end applications

Overview
Transport streams are packetized program streams. Multi Program Transport Streams (MPTS) are multiplexes of single transport streams. Multi Program Transport Streams are used to distribute the many streams that provide us many choices for content that is streamed around via cable systems, satellite networks and terrestrial broadcasters.

Transport stream multiplexers are designed to assemble multiprogram transport streams by analyzing incoming TS’s, combining transport streams, reworking the table structure, and retiming the new stream. Multiprogram transport streams create efficiencies, since RF systems can carry more than one stream at a time.

The T-Mux ASI/8™ multiplexer is a simple to use, compact, and cost-effective transport stream re-multiplexer and stream processor with ASI inputs. It multiplexes up to eight single or multiple program transport streams (SPTS or MPTS) into two ASI MPTS outputs, and regenerates PSI and SI tables. The combination of powerful TS processing capability, a comprehensive feature set, and local or remote configuration makes it an ideal choice for a wide range of DTV systems for service providers.

Main GUI

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### Rear View

- Mirrored ASI Outputs #1
- Mirrored ASI Outputs #2
- Eight DVB-ASI Inputs
- 10/100 Mbps Ethernet for Control
- Power

### Specifications

#### Inputs
- **Inputs:** Eight DVB-ASI inputs
- **Packet Length:** 188 or 204
- **Input Bit Rate:** 0.5 to 150 Mbps per each input
- **Maximum PIDs Per Input:** 128
- **Maximum PMTs Per Input:** 128

#### Outputs
- **Outputs:** Two mirrored DVB-ASI outputs
- **Connectors:** BNC 75 ohm
- **Audio:** Balanced Audio (XLR) output
- **Packet Length:** 188 or 204
- **Output Bit Rate:** 0.5 to 108 Mbps per each output
- **Maximum PIDs Per Output:** 128
- **Maximum PMTs Per Output:** 64

#### Re-Multiplex
- PID re-mapping (optional auto/manual)
- PCR re-stamping
- Automatically generates PSI/SI tables
- Rearrange PIDs
- Null packet removal

#### Control & Monitoring
- **Local:** Front panel operation, LCD display, 10/100 Mbps NMS Ethernet Port
- **Remote:** NMS remote control for integration in centralized management software

#### Physical & Power
- **Power:** 100-240VAC ±10%, 50/60Hz, 25W
- **Operating Temp.:** 0–45°C
- **Storage Temp.:** -20–80°C
- **Dimensions – 1 RU 19 inch rack:** 18.98" (W) x 16.25" (D) x 1.77" (H) 482 (W) mm x 413 mm (D) x 45 mm
- **Weight:** 6 lbs. (2.72 kg)

#### Warranty
- Three years

### Ordering Info

**T-Mux ASI/8**

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