T-Mux ISDB-T™
Professional TS Multiplexer with Twelve ISDB-T Inputs and Two ISDB-T Outputs
– Combines 2 to 12 MPEG-2 or H.264 Transport Streams, SPTS or MPTS, into Two ISDB-T Outputs. Supports PSI/SI Table Editing and Generating, Single Frequency Network, and IIP Packet Editing and Inserting. Input Stream Bit Rates up to 216 Mbps per Channel. Front Panel Controls and Remote Management.

Features
- Multiplexes MPEG-2 or H.264 transport streams (SPTS/ MPTS)
- Inputs: 12 ISDB-T inputs (maximum 214 Mbps per input)
- Supports one external GPS 10MHz reference clock and one PPS; supports SFN
- Outputs: 2 ISDB-T outputs (maximum 214 Mbps per input)
- Outputs can be two separate groups of streams
- PI/SI generation and editing; data descriptors insertion
- Supports PCR correction and PID re-mapping
- Huge buffer, sudden code stream resistance
- Transport stream packet size: 188/204 bytes
- Complies with ISDB-T and ISDB-TB standards
- Supports hierarchy transmission
- Supports each kind of table's user-definition in its transmission layer
- Able to remove any channel of inputted PSI/SI
- Filters program information and specifies PIDs
- Re-defines PAT, PMT and other PSI/SI tables
- Separately sets the parameters such as time delay for each device when it works in SFN mode
- Section receiving
- Can set number of segments, encoding code rate, modulation mode, and time domain interlacing length for each layer
- IIP packet editing and insertion
- LCD front panel controls plus web-based management

Overview
Multiplexers combine many transport streams into a single multiplex transport stream, or “mux” for short. They also combine several multiplexes into a single remultiplex, or "remux".

ISDB-T is the terrestrial modulation system adopted by Japan, Brazil, Peru, and Argentina. It’s governed by the ARIB standard.

The T-Mux ISDB-T is a professional MPEG-2 or H.264 transport stream multiplexer with twelve ISDB-T inputs. The system can transfer head-end single program transport streams (SPTS) and multiple program transport streams (MPTS) to ISDB-T standard transport streams. It supports two separate multiplexers in the same system, and outputs two separate multiplexed ISDB-T MPEG-2 or H.264 transport streams.

The T-Mux ISDB-T combines or muxes incoming ISDB-T transport streams, SPTS or MPTS, to MPTS. It also supports PSI/SI table editing and generating, single frequency network, and IIP packet editing and inserting.

The T-Mux ISDB-T automatically regenerates PSI and SI tables and supports PCR correction and PID re-mapping.

Applications
- ISDB-T broadcasting
- Local transport stream creation
- Head-end applications
- PID filtering
- PSIP table modification

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**Specifications**

**Inputs**
- 12 ISDB-T inputs
- Connectors: BNC
- Packet Length: 188 or 204
- Input Bit Rate: Up to 214 Mbps per each input
- Modes: TS packet mode and suddenly code rate mode
- GPS: 10 MHz reference clock; One PPS Signal
- Codec: MPEG-2 or H.264 transport streams

**Re-multiplexing**
- PID Mapping: 256 PID mapping for each group (manual, auto optional)
- PCR Correction: Supports PCR Correction
- PSI/SI Tables: Automatically generates PSI/SI tables

**Outputs**
- Two separate ISDB-T outputs
- Encoding: Supports RS encoding output
- PPS: One PPS Signal loop-out

**Administration**
- Local: Front panel operation, LCD display
- Remote: 10/100 Mbps NMS Ethernet Port

**Physical and Power**
- Dimensions: 18.98 x 16.14 x 1.73 inches (W x D x H)
- Weight: TBD
- Power Supply: 90-260VAC, 50/60 Hz 1A
- Operating Temperature: 0°C ~ +45°C (32°F ~ 113°F)
- Storage Temperature: -20°C ~ 80°C (-4°F ~ 176°F)
- Conformities: FCC, CE, RoHs

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**Sample GUIs – Coming Soon**

**Specifications -- Continued**

**Modulation Parameters**
- Modes: Mode 1(2k), Mode 2(4k), Mode 3(8k)
- Guard Intervals: 1/4, 1/8, 1/16, 1/32
- Coding: 1/4, 2/3, 3/4, 5/6, 7/8
- Constellations: DQPSK, QPSK, 16QAM, 64QAM
- Layers: A, A+B, A+B+C
- Bandwidth: 6 MHz, 7 MHz, 8 MHz

**SFN Parameters**
- Maximum time delay: 0 ms ~ 1000 ms
- Offset: -1000 ms ~ +1000 ms
- Device ID: 0 ~ 30

**Outputs**
- Outputs: Two separate ISDB-T outputs
- Encoding: Supports RS encoding output
- PPS: One PPS Signal loop-out

**Ordering Info**

T-Mux ISDB-T