



TSC-6000

Transport Stream Converter

ASI, 310M & TSoIP



TRANSPORT STREAM CONVERTER

The **TSC-6000** is a robust transport stream format converter (TSC) and is compliant with both ATSC and DVB standards and is ATSC Mobile DTV Ready.

The **TSC-6000** converts transport streams between ASI, 310M & smpte 2022 Transport Streams over IP (TSoIP) formats. It accepts all three formats and will output all three formats simultaneously.

The **TSC-6000** is controlled via a web server user interface and allows the user to configure and monitor the unit status. Adhering to the concept of our TSC family of products, the **TSC-6000** is designed for easy operation.

The **TSC-6000** has GPI/O, dual power supplies for reliability and is field upgradable.

Transport stream encapsulation, forward error correction and UDP/RTP de-encapsulation as defined by the SMPTE 2022-1 specification.

FEATURES LIST

- ✓ All outputs active simultaneously
- ✓ ATSC Mobile DTV Ready
- ✓ Supports 188 & 204 byte packets
- ✓ Controlled via web server user interface
- ✓ Equalized and amplified Loop out (ASI and SMPTE 310M Only)
- ✓ Remote status indicator via web server user interface
- ✓ Manual front panel reset button
- ✓ Relay bypass in the event of power failure
- ✓ Rear panel GPI/O connector
- ✓ Field upgradable
- ✓ Dual power supplies for reliability
- ✓ Save/Load user defined/power up configurations
- ✓ User login management controls

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SPECIFICATIONS

ASI

- Connector: BNC 75 ohm
- Data Rate to: 50 Mbps +/- 10ppm in, +/-3ppm out
- Logic Levels: 800mV +/-10%
- Data Rate: Accuracy: 3ppm

SMPTE 310M

- Connector: BNC 75 ohm
- Data Rate: 19.392658 Mbps
- Format: Bi-phase mark coding
- Max jitter: 1ppm

SMPTE 2022

- Transport stream encapsulation UDP or RTP
- Transport stream packet size 188 or 204 bytes
- TS packet / IP packet 1-7
- FEC Size: L 1-20
- FEC Size: D 4-20
- FEC Size: LxD 4-100



Made in the USA

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DTV Innovations | 1252 W. Northwest Hwy. | Palatine, IL 60067 | 847.919.3551 | www.dtvinnovations.com

Network

- Single 100/1000 Base-TX Ethernet Port (RJ-45)
- User Interface - I/O Setting



Electrical

- Maximum Power: 25W
- Supply voltage range: 85-264 VAC/47-63HZ
- Power Plug: IEC-C-19
- Cooling Fan Capacity: 6CFM back exhaust

Physical

- Height: 1.75 inches (44.45mm) 1RU
- Width: 19 inches (482.6mm)
- Depth: 14 inches (355.6mm)
- Weight: 3.5 Lbs (1.59kg)