

Transport Stream Converter

TSC-5000



ANY IN: ASI SMPTE 310M LVDS ALL OUT!

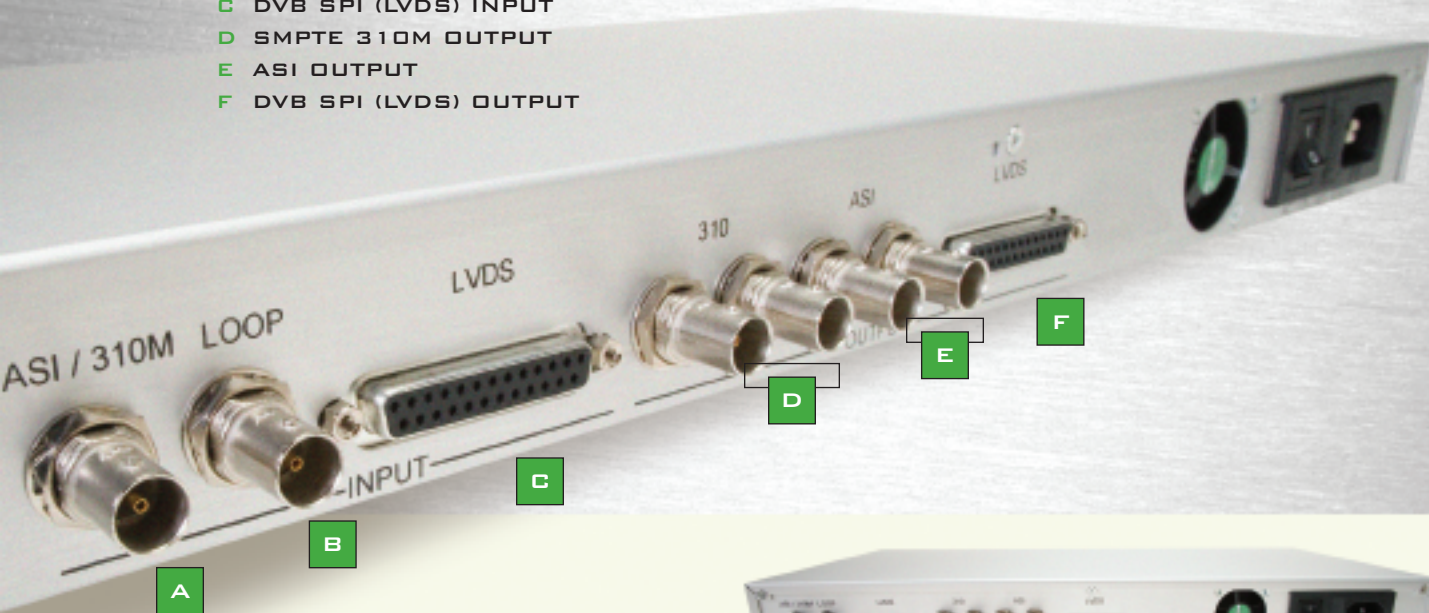
The TSC-5000 is a robust MPEG transport stream converter that is compliant with both ATSC and DVB standards. It converts MPEG transport streams between ASI, SMPTE 310M & DVB SPI (LVDS). Any one of the three formats at the input is converted into all three formats (ASI, SMPTE 310M and DVB SPI (LVDS)), available simultaneously, at the output.

- > Interfaces: ASI, SMPTE 310M & DVB SPI (LVDS)
- > Selectable: Input Transport Stream Null Packet Removal
- > Selectable: 188/204 Byte Packets
- > Error Indicators: Input Loss, Input Lock, 310 Buffer Overflow & DVB SPI (LVDS) Buffer Overflow
- > PCR Restamping

Transport Stream Converter

TSC-5000

- A ASI/SMPTE 310M INPUT
- B ASI/SMPTE 310M INPUT LOOP OUT
- C DVB SPI (LVDS) INPUT
- D SMPTE 310M OUTPUT
- E ASI OUTPUT
- F DVB SPI (LVDS) OUTPUT



SPECIFICATIONS

- The Input has an equalized and amplified Loop Out (ASI and SMPTE 310M)
- Packet size is selectable between 188 and 204 bytes
- Configuration settings are retained in the event of a power loss
- 4 error indicators are provided for monitoring the state of the converter
- All outputs are active simultaneously: ASI, SMPTE 310M and DVB SPI (LVDS)
- PCR Restamping
- The SMPTE 310M output has a null packet insertion capability that converts lower input bit rate transport streams to the ATSC 19.392658 Mbps data rate. Null packet insertion ensures that the converted streams playback smoothly without artifacts
- Selectable: Input transport stream null packet removal

INTERFACE SPECIFICATIONS

- ASI**
- Connector: BNC 75 ohm
 - Data Rate: 270 MHz +/- 100ppm 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
- DVB SPI (LVDS)**
- Connector: DB-25 Female
 - Max Speed / Clock Input: 13.5MHz
 - Max Data Rate: 13.5MBps
 - Min V Differential Input: 100mV
 - Input Termination: 100 ohm
 - V Differential Output: 247mV Min, 340mV Typical, 454mV Max at 100 ohm load termination

ELECTRICAL SPECIFICATIONS

- Maximum Power: 25W
- Supply Voltage Range: 85-264 VAC / 47-63Hz
- Power Plug: IEC-C-19
- Protection: 3A, 250V Fuse
- Cooling Fan Capacity: 6 CFM Back Exhaust

PHYSICAL SPECIFICATIONS

- Height: 1.75 inches (44.45mm) 1RU
- Width: 19 inches (482.6mm)
- Depth: 9 inches (228.6mm)
- Weight: 3.5 lbs. (1.59kg)
- Ambient Temperature Operating: 32-104°F (0-40° C)
- Humidity: 5%-95% Non-condensing