



TSACO-1200

Automatic Failover Switch

ASI & 310M



AUTOMATIC FAILOVER SWITCH

The **TSACO-1200** is a reliable value-priced Transport Stream automatic failover switch for ASI or SMPTE-310M applications, providing single-output, relay-based switching of either ASI or 310M transport streams.

The **TSACO-1200** is fully compliant with both ATSC and DVB standards, and can be optionally upgraded to provide dual, seamless switching outputs and ASI/310M input format conversion on both outputs.

The **TSACO-1200** enables broadcasters to define user configurable switching parameters using a web interface. These parameters are monitored on both the primary and backup inputs, with switching (relay-based or optional seamless switching) to the backup input upon detecting any failure of the primary input. When equipped with optional format conversion, **TSACO-1200** can convert inputs to/from ASI and 310M formats for full compatibility with your system requirements.

The **TSACO-1200** provides a GPI/O interface, is field upgradable, and has dual power supplies for reliability.

Typical uses include backing up encoders, multiplexers, decoders, or any device with an ASI or 310M MPEG-Transport Stream output.

Please see our TSACO-2000 and TSACO-3000 products if you require multiple, simultaneous outputs and/or TSoIP input and output interfaces.

FEATURES LIST

- ✓ Primary and backup ASI or 310M inputs, with single relay-based output
- ✓ Upgradeable to dual active outputs with seamless switching to maintain sync lock during switch so receivers don't lose lock
- ✓ Optional format conversion on outputs – ASI to/from SMPTE-310M
- ✓ Controlled via web server interface
- ✓ Remote input select & status indicator via web server user interface
- ✓ SNMP remote monitoring
- ✓ Indented Manual front panel select & reset button
- ✓ Relay bypass on primary input
- ✓ Rear panel GPIO connector
- ✓ Configurable automatic switch back to primary
- ✓ Dual power supplies for reliability
- ✓ Save user defined/power up configurations
- ✓ User Login Management Control
- ✓ TTL level GPI/O Interface
- ✓ Field upgradable

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March 2024. Specifications subject to change without notice.



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Specifications

Inputs and Outputs

- ASI
 - Connector: BNC 75 ohm
 - Data Rate: up to 216 Mbps
 - 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

Network

- Single 100/1000 Base-T Ethernet Port (RJ-45)
- User interface – IP configuration
- SNMP remote monitoring

GPI/O

- 25 pin TTL level
 - Low = <0.2V
 - High = >3.0V

Electrical

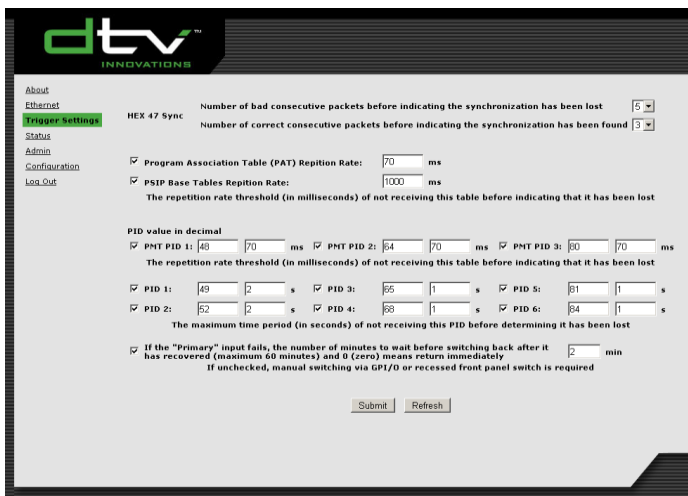
- Voltage Range: 85 to 264 VAC 47 to 63Hz
- Power plug: IEC-C-19
- Maximum Power: 25W
- Cooling Fan Capacity: 14 CFM side exhaust

Physical

- Height: 1.75" (44.5mm) – 1RU
- Width: 19" (482.6mm) including rack ears
- Depth: 14" (355.6mm)
- Weight: 4.6 lbs (2.09kg)
- Ambient Operating Temperature: 32 to 104° F

Options

- TSACO-1200-SW-UPG1
Enables Output 2 and Enables Seamless Switching
- TSACO-1200-SW-UPG2
Enables ASI/310M transcoding
**** Requires TSACO-1200-SW-UPG1**



Made in the USA

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