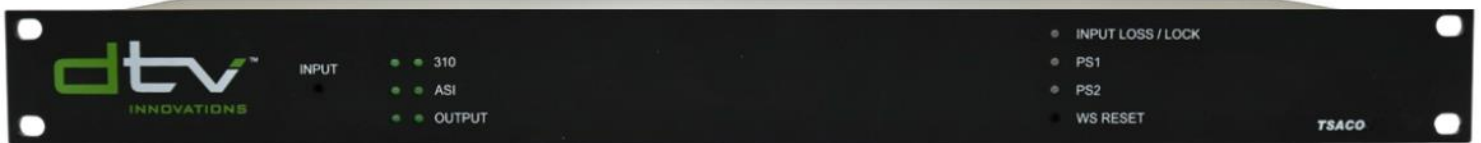# TSACO-2000
Automatic Failover Switch
ASI, 310M

AUTOMATIC FAILOVER SWITCH

The **TSACO-2000** is a transport stream automatic failover switch and transport stream format converter all in one. The **TSACO-2000** is compliant with both ATSC and DVB standards and is ATSC Mobile DTV Ready.

The **TSACO-2000** enables broadcasters to automatically switch between a primary and backup transport streams in the event of a failure preventing broadcasters from unexpectedly going off air as defined in the user configurable web interface.

It also converts transport streams between ASI and SMPTE 310M formats. It accepts both formats as inputs and will output both formats simultaneously. It is controlled via a web server user interface and allows the user to configure trigger thresholds and monitor the unit status. Adhering to the concept of our TSACO family of products, the **TSACO-2000** is designed for easy operation.

The **TSACO-2000** has GPI/O, dual power supplies for reliability and is field upgradable.

FEATURES LIST

✓ Output signal maintains sync lock during switch transition so receivers don't lose lock

✓ Primary & backup inputs accept ASI, 310M

✓ Automatically detects input format & packet-size

✓ All outputs active simultaneously

✓ Controlled via web server user interface

✓ SNMP remote monitoring

✓ User configurable switch triggers: 14 different parameters & return to primary

✓ Remote input select & status indicator via web server user interface

✓ Manual front panel input select & reset button

✓ Relay bypass on primary input

✓ Rear panel GPI/O connector

✓ Field Upgradable

✓ Dual power supplies for reliability

✓ Save/Load user defined/power up configurations

VISION + INNOVATION

TSACO-2000
Automatic Failover Switch
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SPECIFICATIONS

ASI

- Connector: BNC 75 ohm
- Data Rate to: 216 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
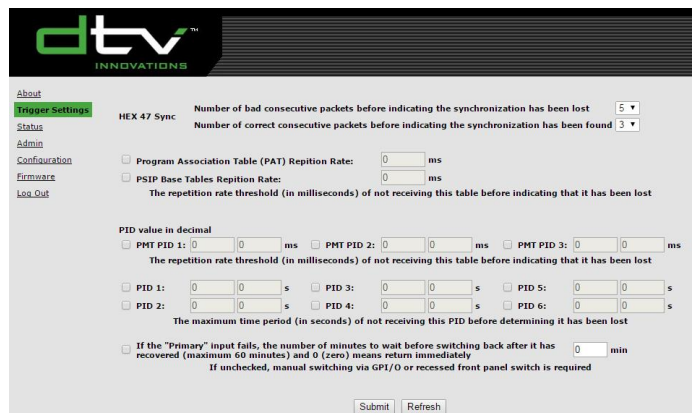- Max jitter: 1ppm

*SMPTE 2022 TSoIP I/O Interface Upgrade

To support SMPTE 2022 Transport Stream over IP Inputs and Output, additional hardware interfaces can be installed to convert a **TSACO-2000** into a **TSACO-3000**.

Made in the USA

Network

- Single 100/1000 Base-TX Ethernet Port (RJ-45)
- User Interface – IP Configuration
- SNMP remote monitoring

Electrical

- Maximum Power: 25W
- Supply voltage range: 85-264 VAC/47-63HZ
- Power Plug: IEC-C-19
- Cooling Fan Capacity: 14 CFM side exhaust

Physical

- Height: 1.75 inches (44.45mm) 1RU
- Width: 19 inches (482.6mm)
- Depth: 14 inches (355.6mm)
- Weight: 4.6 lbs (2.09kg)
- Ambient Temperature Operating: 32-104°F

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