



TSACO-3000

Automatic Failover Switch

ASI, 310M & TSoIP



AUTOMATIC FAILOVER SWITCH

The **TSACO-3000** is a transport stream automatic failover switch and transport stream format converter all in one. The **TSACO-3000** is compliant with both ATSC and DVB standards and is ATSC Mobile DTV Ready.

The **TSACO-3000** enables broadcasters to automatically switch between a primary and backup transport stream in the event of a failure automatically preventing broadcasters from unexpectedly going off air as defined in the user configurable web interface.

It also 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. 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-3000** is designed for easy operation.

The **TSACO-3000** 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

- ✓ Output signal maintains sync lock during switch transition so receivers don't lose lock
- ✓ Primary & backup inputs accept ASI, 310M & TSoIP
- ✓ Automatically detects input format & packet-size
- ✓ All outputs active simultaneously
- ✓ Controlled via web server user interface
- ✓ 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
- ✓ User login management controls

VISION + INNOVATION

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



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SPECIFICATIONS

ASI

- Connector: BNC 75 ohm
- Data Rate to: 270 Mbps +/- 10ppm in, +/-3ppm out
- Logic Levels: 800mV +/-10%
- Data Rate: Accuracy: 3ppm

SMPT 310M

- Connector: BNC 75 ohm
- Data Rate: 19.392658 Mbps +/- 54Hz
- Format: Bi-phase mark coding
- Max jitter: 1ppm

SMPT 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



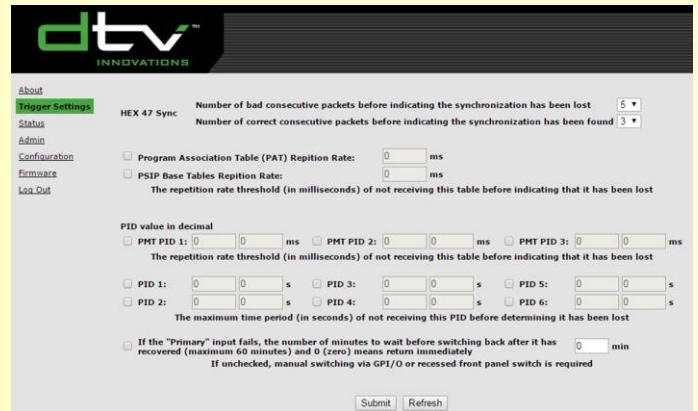
Made in the USA

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Network

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



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)
- Ambient Temperature Operating: 32-104°F