TSACO-3000
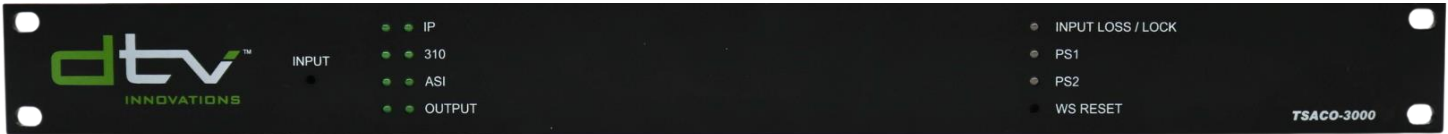## Automatic Failover Switch
ASI, 310M & TSoIP

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 as inputs 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

✓ 4 Input Failover Switch Mode (Optional)

✓ All outputs active simultaneously

✓ Controlled via web server user interface

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

✓ SNMP remote monitoring

✓ 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

TSACO-3000
Automatic Failover Switch
ASI, 310M & TSoIP

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
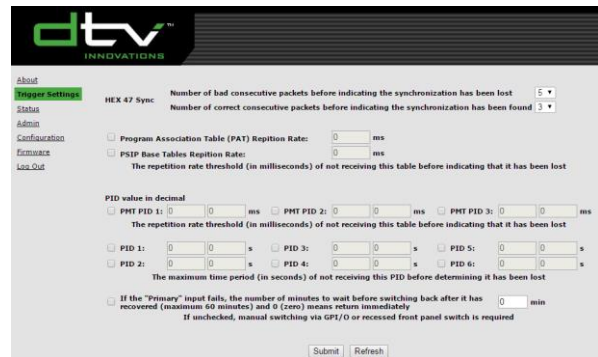- Max jitter: 1ppm

SMPTE 2022

- 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

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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