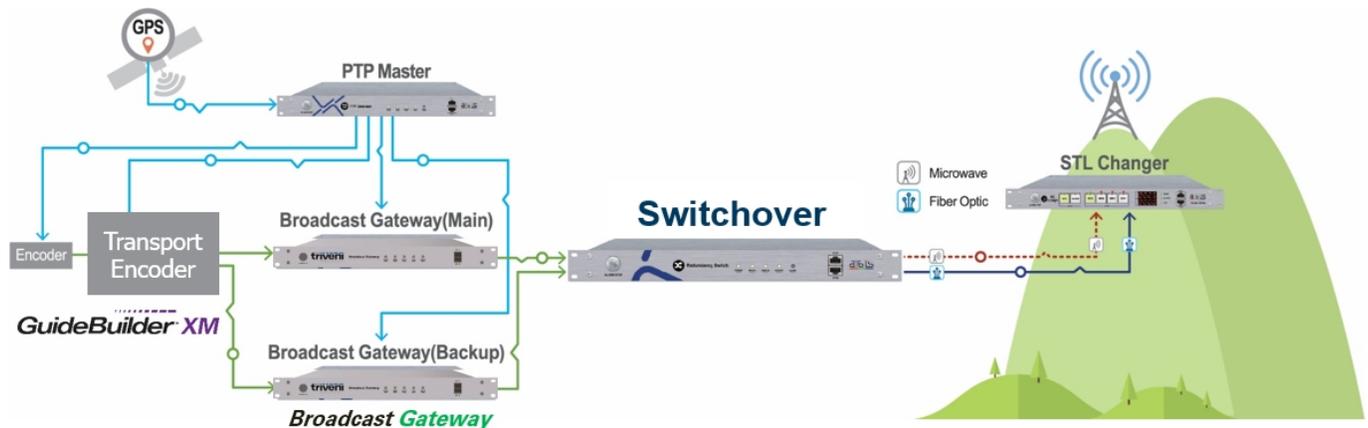




Redundancy Switch

For ATSC 3.0 broadcast chains with redundancy architectures, the ATSC 3.0 Redundancy Switch assures engineers that their TV services are not interrupted by signal losses or errors. This switchover RU server seamlessly detects STLTP stream errors and outputs backup signals to excitors or transmitters. It also decodes and encodes streams to correct packet losses and monitors inputs and outputs in real time.



The ATSC 3.0 Redundancy Switch ingests Ethernet, RV, and A/V inputs in a variety of redundancy environments.

BENEFITS

- Reduces ATSC 3.0 service interruptions
- Seamlessly performs automatic, manual, or priority input switchovers
- Backs up redundant Broadcast Gateways, Cloud-based, and other STLTP sources
- Ingests Ethernet, RF, and A/V input types
- Corrects packet loss errors
- Monitors real-time input and output bitrates
- Sends signals to excitors and transmitters
- Easily configurable and manageable
- Aids postmortem analysis with log data files
- Includes expert U.S.-based customer support

FEATURES

- STLTP stream switching and monitoring
- Switch modes: automatic, manual, priority input
- Six Ethernet input, output, and control ports
- Ethernet bypass: 2 inputs to 2 outputs
- Configurable switch conditions: link loss, L1 CRC error, LMT/LLS interval, etc.
- STLTP ECC (SMPTE 2022-1) input decoding and output decoding
- ALP-TP, DSTP, and general IP support
- SNMPv2 support
- Hot-swappable dual power supply
- Browser-based graphical user interface

Get a free demo and price quote



Triveni Digital
777 Alexander Road | Suite 101
Princeton, NJ 08540
t: 609.716.3535 | f: 609.716.3503
TriveniDigital.com

ATSC 3.0

SPECIFICATIONS



- Input Ports: 2 x Gigabit Ethernet
- Output Ports: 3 x Gigabit Ethernet
- Control Port: 1 x Gigabit Ethernet
- One Monitoring Port
- By-pass: 2 inputs to 2 outputs
- Latency: less than or equal 10 ms
- Power: AC 100 ~ 240V, 50/60Hz, hot swap and dual power
- Power consumption: Less than 100W
- Size: 482.6 x 470 x 44.4 mm (W x D x H)
- Weight: About 8.5 kg
- Operating environment: Indoor
- Operating temperature: 10 ~ 40 C
- Operating humidity: 20 ~ 85% RH (no condensation)
- Browser requirements: Chrome 2.0.1410.64 or higher, Firefox 20.0.2 or higher, Safari 5.1.7 or



An installed ATSC 3.0 Redundancy Switch.

Note: The ATSC 3.0 Redundancy Switch was used in broadcasting the 2018 PyeongChang Winter Olympics.

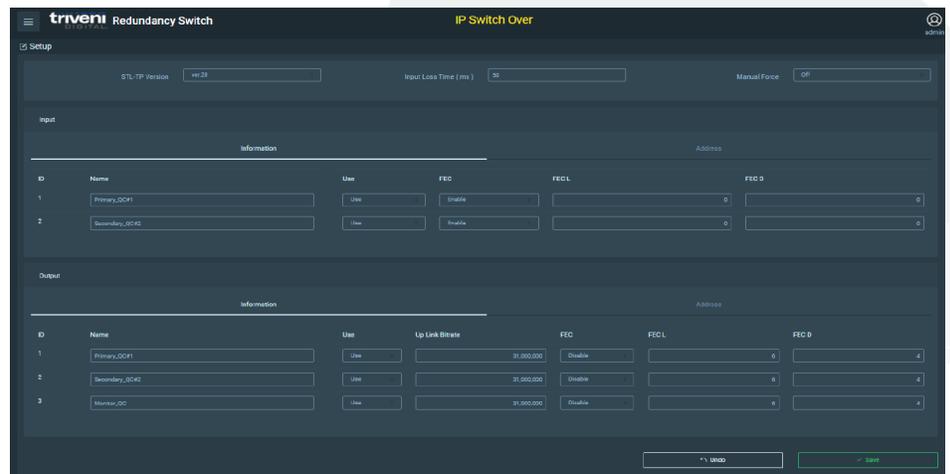
IP Switchover for ATSC 3.0 Broadcast Chains

Real-Time Monitoring of STLTP Input and Output Bitrates



The ATSC 3.0 Redundancy Switch can monitor multiple IP switchovers in broadcast chains.

Programmable Connections and Signal Error Checking



The ATSC 3.0 Redundancy Switch can easily be configured to fit your redundancy requirements.

Plus.....

Log data, system information, user management, system updates, and more.

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