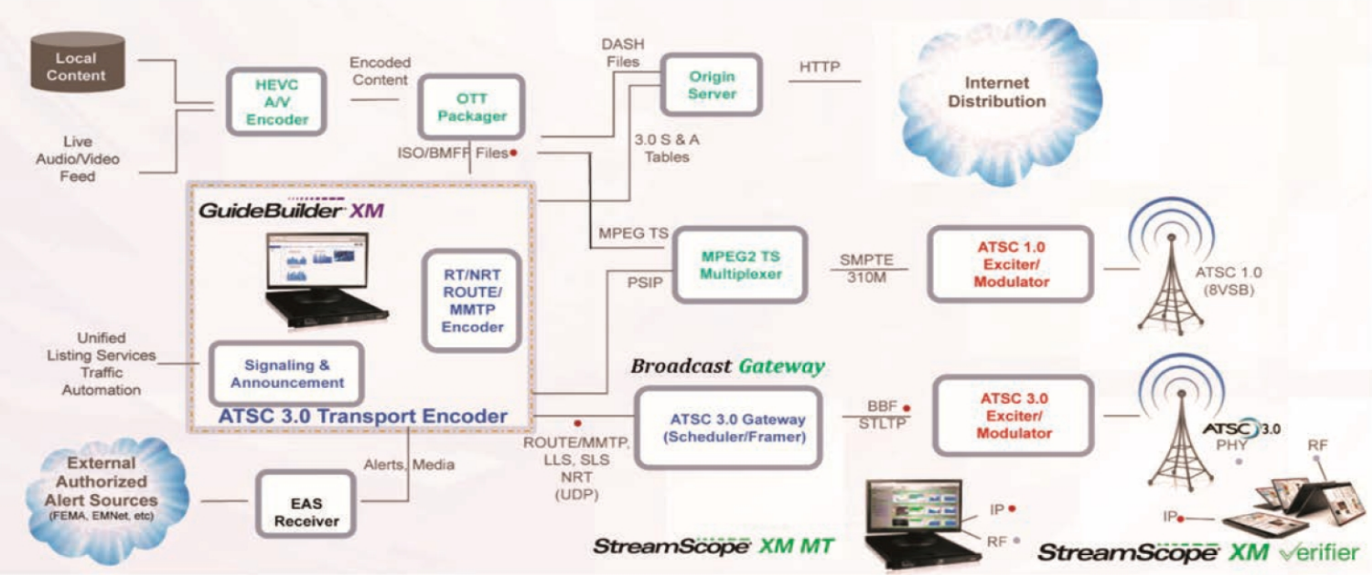
Broadcast Gateway

Triveni Digital's Broadcast Gateway server is a state-of-the-art ATSC 3.0 gateway/scheduler that encapsulates and sends STL-TP output to ATSC 3.0 exciters. Using the Broadcast Gateway, TV stations can easily implement revenue-enhancing ATSC 3.0 services in a variety of network configurations. Integrated with Triveni Digital's GuideBuilder® XM encoder, the Broadcast Gateway ensures a smooth transition to NextGen TV broadcasting.



Broadcast Gateway Network Topology

BENEFITS

- Enables ATSC 3 HD/UHD broadcasting
- Encapsulates ROUTE and MMTP inputs
- Outputs STL-TP packets with L1/L2 signals
- Configures port, bootstrap, preamble, subframe, PLP, timing, and transmitter settings
- Synchronizes SFN broadcasts
- Corrects STL-TP transmission errors
- Supports transmitter emission time offset
- Handles Advanced Emergency Alerting (AEA)
- Saves and loads configuration settings
- Integrates with GuideBuilder XM encoder
- Includes US-based service and support

FEATURES

- Multi subframe and PLP (TDM/FDM/LDM) signaling
- ALP packetizing for general IP data inputs
- Transmitter emission time offset for SFN control
- DTSP/ALP-TP input stream support
- IGMPv3 SSM and SNMP support
- RF reception qualification
- Input stream bitrate monitoring
- External clock (PTS, GPS, and NTP) support
- STL-TP ECC (SMPTE 2022-1) error correction
- SNMP access and user account management
- Log files with system errors and warnings
- User-friendly web-based client application

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Rev. D

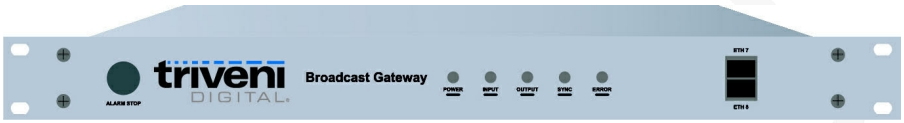
ATSC 3.0™

SPECIFICATIONS

- 1RU 19-inch dual-power, hot swap server
- Input: 6 flexible Gigabit Ethernet (GIGE) port
- Output: 2 control port changeable GIGE ports
- Power: AC 100-240V, 50/60Hz
- Power consumption: Less than 400W
- Operating temperature: 10-40° C
- Operating humidity: 20-85% RH (no condensation)
- Storage temperature: -40 to +70 ℃ / 20 ~ 85% RH
- Operating environment: Indoor
- Operating altitude: Around 2000m
- Over-voltage category: II
- Pollution degree: 2
- Dimensions: 19" (482.6mm) W x 18.5" (470 mm) D x 1.75" (44.4mm) H
- Weight: About 16.5 lbs (7.5 kg)

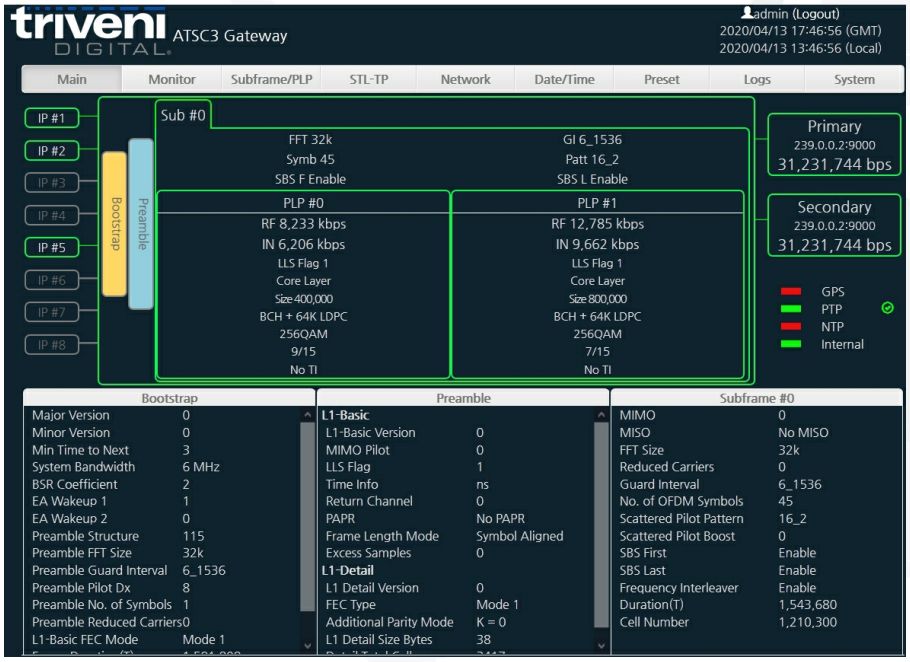
Specifications are subject to change.

State-of-the-Art ATSC 3.0 Scheduler



Manage and Monitor Multiple Input Streams and PLPs

The Broadcast Gateway can receive multiple IP streams from broadcast encoders such as GuideBuilder® XM to generate appropriate L1 and L2 signals for the transmitter. Easy configuration enables multi-subframe and multi-PLP delivery. The Broadcast Gateway also optionally supports an external clock (NTP, GPS, etc.) for ATSC 3.0 SFN networks.



Use the Broadcast Gateway web-based app to configure and monitor IP inputs, PLPs, and STLTP outputs.

Ask for your free demo and price quote...

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