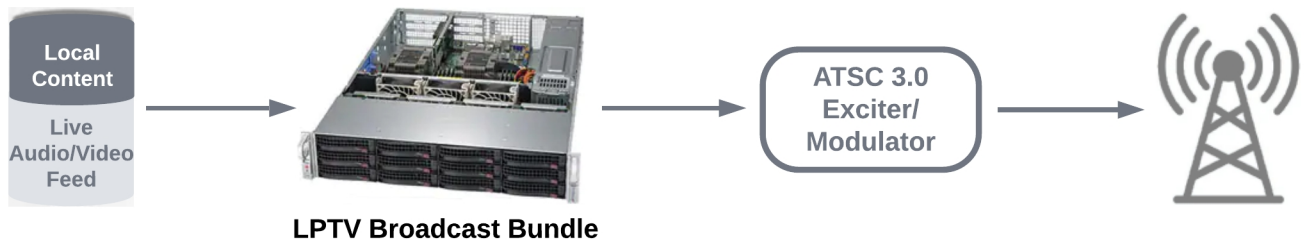# ATSC 3.0™

LPTV Broadcast Bundle

The LPTV Broadcast Bundle from Triveni Digital combines our award-winning GuideBuilder® XM and ATSC 3.0 Broadcast Gateway software with encoder software from Synamedia® to create a cost-saving solution for low-power TV ATSC 3.0 transmissions. It provides a fully integrated ATSC 3.0 broadcasting platform on a single server, minimizing the cost of implementation and operation compared to alternative broadcast chain options.

The Affordable All-in-One ATSC 3.0 Broadcasting Solution

Local Content — Live Audio/Video Feed → **LPTV Broadcast Bundle** → ATSC 3.0 Exciter/Modulator →

The LPTV Broadcast Bundle simplifies and speeds up revenue enhancing ATSC 3.0 deployment and reduces your costs.

BENEFITS

- Lowers ATSC 3.0 CapEx and OpEx
- Reduces startup time for ATSC 3.0 broadcasting
- Configures all ATSC 3.0 parameters on one platform
- Manages all ATSC 3.0 media content centrally
- Powers one HD, three SD, and one station call letter
- Ingests a range of live video and audio inputs
- Optimizes compression efficiency
- Adjusts audio levels for regulatory compliance
- Ingests various schedule listings
- Supports the AEA warning system
- Includes parts and labor server warranty
- Provides expert U.S.-based customer support
- Offers special financing options

FEATURES

- Live video and audio input encoding
- ATSC 3.0 ROUTE encoding
- STLTP output to ATSC 3.0 exciters
- Ad, local program, and logo insertion
- Remote program editor
- ATSC 3.0 stream monitoring
- Port, subframe, PLP, timing, transmitter, and other ATSC 3.0 parameters management
- ATSC 3.0 signing certificate configuration
- Simple input-to-output user interfaces
- Error notifications and email alerts
- Optional statmux feature for bandwidth management
- Optional StreamScope XM Dashboard functionality
- And much more

Rev. D
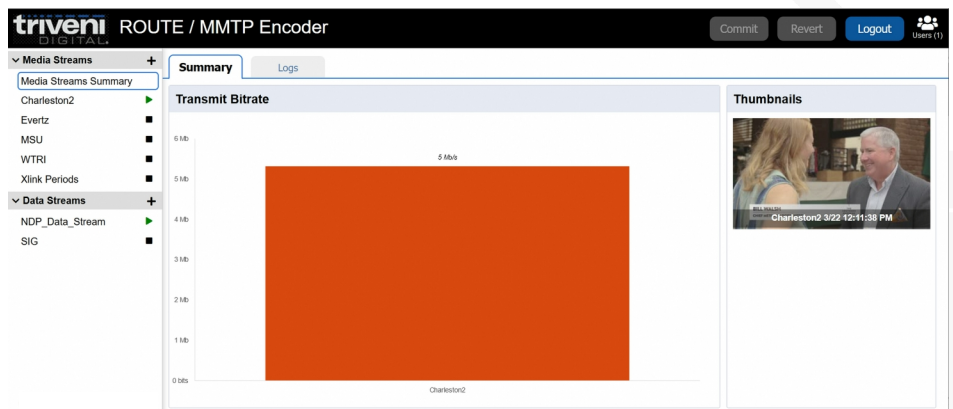
triveni DIGITAL®

Better TV

ATSC 3.0™

SERVER SPECS

- 2U rackmount Supermicro® SuperServer 60029U-TR4
- Chipset: Intel® C621
- CPU: dual-socket Intel Xeon Gold 622R 16-core, 2.9 GHz
- RAM: 64GB DDR4 ECC/REG
- LAN: Four RJ45 Intel i350AM4 GbE LAN ports
- USB: Three USB 3.0 ports
- Hard Drive: hot-swap 1TB 3.5" SATA
- Slots: Four PCIe 3.0 x8 (FH, 10.5" L), One PCIe 3.0 x8 (LP)
- Graphics: GeForce GTX 1050 Ti 4GB GDDR5 card
- Power: 1000W redundant power supplies with PMBus
- Fans: Four heavy duty 8cm PWM
- Operating temperature: 10-35° C
- Operating humidity: 8-90% RH
- Storage environment: -40 to +70 , 5 - 95% RH
- Dimensions: 17.2" (437 mm) W x 28.5" (723 mm) D x 3.5" (89 mm) H
- Weight: 72 lbs (32.7 kg)
- One mounting rail

Three ATSC 3.0 Applications on One Server

GuideBuilder XM Encoder

GuideBuilder XM generates ATSC 3.0 signaling metadata and encodes ROUTE IP streams.

Broadcast Gateway Scheduler

The Broadcast Gateway inputs ROUTE streams and outputs STLTP streams to ATSC 3.0 exciters.

DCM Encoder

The vDCM Encoder from Synamedia handles a wide range of live video and audio inputs and codecs for broadcast , IPTV, and adaptive bitrate HTTP streaming. It supports ad and program insertion, and provides an easy-to-use GUI for line-up configuration, splicing, and switch management.

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Get a free demo or price quote

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

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