

Essential ATSC 3.0 Verification Software

Built as an entry-level device, StreamScope[®] XM Verifier is the award-winning, Windows-based application for verifying, rendering, and recording ATSC 3.0 streams, with either ROUTE or MMTP protocols. This allows station engineers and field staff to get a comprehensive view of ATSC 3.0 services at a glance.

Convenient and Cost-effective

Verifier uses the same comprehensive ATSC 3.0 analysis engine as the StreamScope XM MT professional workgroup analyzer. Verifier, however, runs on Windows 10 laptops. It is compatible with many third-party 3.0 input devices and reduces the number of tools an engineer needs to take to a site.

Comprehensive and Flexible

StreamScope XM Verifier allows users to verify a wide range of ATSC 3.0 quality-assurance metrics, including video, metadata, STLTP, ROUTE/MMTP, IP routes and optional advanced RF spectrum analysis. It also supports a variety of input options, such as Ethernet, file-based, basic RF via a receiver USB dongle, or advanced RF via a PCIe receiver card.



Features and Benefits

- Ensures ATSC 3.0 video, audio and metadata quality
- Multiple RF dongle and card support
- Quick stream verification
- Analyzes RF, Ethernet, and file inputs
- ROUTE, MMTP, STLTP, DASH and RF support
- Records and plays PCAP files
- Video thumbnails
- Video and audio rendering
- Windows[®] 10 compatible



"StreamScope XM Verifier is a Windows-based software visualization tool that allows station managers and field staff to get a comprehensive view of their ATSC 3.0 service at a glance."
- TVTechnology



StreamScope[®] XM Verifier

StreamScope[®] XM Verifier is a part of a large family of analyzers from Triveni Digital. StreamScope XM Verifier is the next-generation software for video, audio and metadata services quality assurance in ATSC 3.0. This verification application is based on the award-winning StreamScope MPEG analyzer product line and leverages our vast engineering experience of video quality assurance solutions. Putting StreamScope XM Verifier in the hands of key technical personnel can improve operational efficiencies and quality of service on-the-go, while helping them absorb and learn the complexity of rich new ATSC 3.0 standard.

Industry's most comprehensive DTV QA toolset

Professional, comprehensive tool set for DTV Service Quality Assurance

- StreamScope EM**
Enterprise Assurance
- StreamScope MT**
Professional Analyzer
- StreamScope RM**
Service Monitor
- StreamScope Verifier**
Visual Service Verification

-  Unified **monitoring and management of distributed systems**
-  MPEG 2 TS & ATSC 3.0 **professional analyzer and troubleshooter**
Options support multiple simultaneous inputs, Advanced RF, ATSC 3.0, remote workgroup user interfaces. Available in personal configuration.
-  MPEG 2 TS **monitoring, auditing and logging** system
Long-term monitoring and reporting. Post-mortem problem resolution.
-  Simple, powerful tool for **visual verification of service** parameters, using Triveni Digital's powerful comprehensive analysis engine.

Key Features

- USB dongle and PCIe card RF receivers.
- Multiple Ethernet inputs can be configured.
- Customizable at-a-glance dashboards.
- 40 real-time graphs, charts, and tables.
- Video rendering and rotating thumbnails.
- Record and manage PCAP files for playback.
- Analysis Checklist and Quick Status panels.
- Complete signaling message table data.
- Video, audio, data, and all-stream bitrates.
- Constellation, impulse, spectrum, and transfer graphs.
- Bootstrap, subframe, L1, LDPC, BCH, and TXN data.
- PLP bar graphs and histograms.
- Detailed diagnostic system logs.

Specifications

- Computer requirements:**
- A 64-bit Microsoft Windows[®] 10.x operating system.
 - Mozilla Firefox[®] or Google[®] Chrome[™] web browser.
 - Sixth-generation or later dual-core or quad-core Intel[®] i5 or i7 CPU, or a video card that supports HEVC compression (for example, GTX 950 or higher).
 - At least 8 GB of RAM.
 - At least 1 GB of free disk space for the Verifier app and files.
- Supported RF inputs:**
- Basic RF:
- Airwavz
 - LowaSIS
- Advanced RF:
- DekTec



Triveni Digital, Inc.
777 Alexander Road
Princeton, NJ 08540
609.716.3535 | t
609.716.3503 | f
info@trivenidigital.com
trivenidigital.com

