StreamScope® XM

## ATSC 3.0 Broadcast Stream Analyzer

The TV industry's most advanced ATSC 3.0 analyzer, StreamScope® XM provides comprehensive real-time analysis, monitoring, and troubleshooting of broadcast services and streams from a variety of inputs at multiple delivery points. Available in rackmount and portable platforms, StreamScope XM is essential equipment for successful NextGen TV trials and deployments.
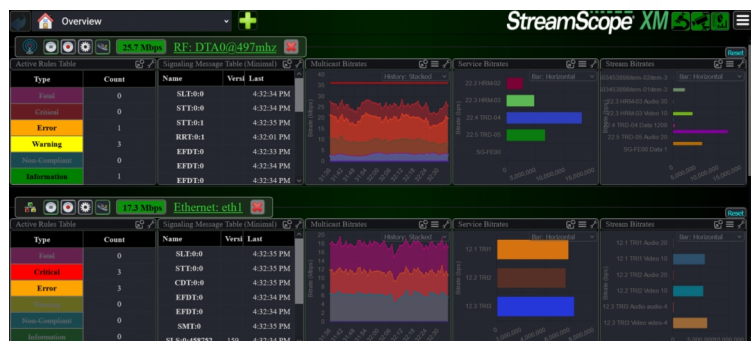
StreamScope XM analyzes multiple ATSC 3.0 Ethernet, RF, STLTP, and PCAP file inputs.

Drill down to real-time details of ATSC 3.0 inputs, services, and elementary streams.
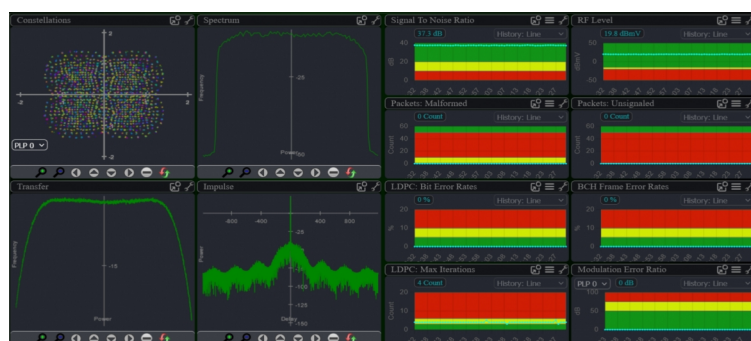
Monitor RF data with advanced Cartesian, SNR, Packet, L1, LDPC, and other graphs.

"StreamScope XM makes it practical for broadcasters to launch early deployments and trials of ATSC 3.0, ushering in a new era of digital television."
– *TV Technology*

TVTechnology PRODUCT INNOVATION Awards 2016

BENEFITS

- Analyze all types of ATSC 3.0 inputs
- Monitor service and stream quality
- Troubleshoot issues with advanced tools
- Render video, audio, and caption streams
- Customize rules, reports, and dashboards
- Ensure NextGen TV broadcasting success

FEATURES

- RF, Ethernet, STLTP, and PCAP file inputs
- Graphs, charts, and tables for bitrates, video thumbnails, HDR audio levels, and much more
- Video rendering with HEVC transcoding
- ROUTE and MMTP protocol support
- System table (SMT, SLT, SLS, etc.) verification
- DRM encryption per A3SA specifications
- Stream object buffering and frequency tracking
- Protocol stack and data structure diagrams
- System table details, locations, and intervals
- Advanced RF data for broadcast validation
- Multicast route mapping and analysis
- Service guide and program details
- Closed captioning and watermarks
- User accounts for managed access
- File manager for PCAP files
- Color mapping for at-a-glance tracking
- Configuration file imports and exports
- Unix-based client-server architecture

ATSC 3.0

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Better TV

StreamScope® XM

SPECIFICATIONS

StreamScope XM Server

- 4U rackmount with 20-inch side rails
- Intel® i9 multicore 19.25MB CPU
- 2U low-profile heatsink and fan
- Intel X299 chipset
- 16GB DDR4 RAM (128GB max)
- NVIDIA® GT 710 2GB video card
- 1TB 3.5-inch SATA hard disk drive
- Two LAN RJ45 ports
- One USB 3.1 Gen 2 Type-A
- One USB 3.1 Gen 2 Type-CTM
- Six USG 3.1 Gen 1
- Four USB 2.0
- One optical S/PDIF out
- One USB BIOS Flashback button
- One 8-channel I/O with onboard audio
- 5.25-inch DVD RW optical drive
- Dual Gigabit LAN ports
- 600W 100-240VAC autoswitch power
- 16.61" W x 14.65" H x 18.94" D

StreamScope XM Portable

- 17" 1280 x 1024 pixel LCD screen
- Intel quad-core 3.5 GHz CPU with 10 Mb cache
- 2 x 8 DDR3 RAM (16GB total)
- 1TB SATA hard drive
- EVGA NVIDIA GT 710 1GB video card
- Slim DVD-RW optical drive
- 650W PFC 80 Plus power supply
- 104-key keyboard with touchpad
- Padded carrying case with wheels
- 17.05" H x 13.62" W x 8.9" D
- 26.5 lbs (12 kg)

Specifications are subject to change.

Comprehensive ATSC 3.0 Analysis

StreamScope XM enables TV engineers to analyze services, troubleshoot problems, render video and audio streams, verify signaling, map multicast routes, configure rules, view ESGs, design reports, trigger notifications, create dashboards, and more.

Edit and schedule detailed reports

StreamScope XM enables you to customize the structures and contents of monthly, hourly, and daily reports, and automatically send the reports visa email or FTP to key personnel.
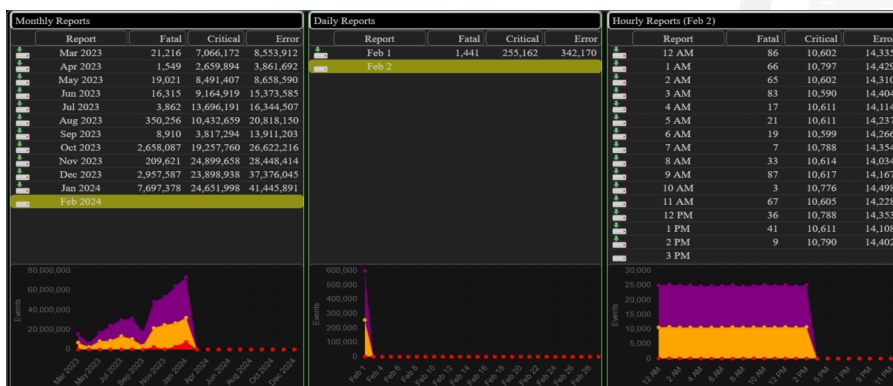
For postmortem troubleshooting, create custom reports that meet your analysis needs.

Create and share custom dashboards

StreamScope XM also enables you to design web-based dashboards with the specific information needed by various technical and management personnel. Each dashboard has a URL that can be easily distributed for use.

For customized ATSC 3.0 analysis, create dashboards displaying the important data for your network.

Ask for your free demo and price quote…

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Rev. B