

StreamScope®

MPEG Analyzers

Video and Audio Quality Assurance

Award-winning StreamScope® MPEG analyzers are powerful, user-friendly instruments for analyzing and troubleshooting DTV transport streams. Performing real-time, detailed analysis on multiple signals over commonly encountered physical layers, MT-50 MPEG analyzers help ensure transport streams meet all current industry standards.

Real-time monitoring and drill-down analysis

Using StreamScope's patented, web-based user interface, you can view error alerts, live video thumbnails, dynamic audio graphs, detailed cross-table analyses, electronic program guides, system logs, and more. It's easy to isolate, diagnose, and correct MPEG-2/4 errors caused by delayed table intervals, packet loss, synchronization issues, buffer over and under flows, and other faults.

High capacity network connectivity

StreamScope MPEG analyzers monitor 1Gigabit and 10Gigabit Ethernet networks and analyze QAM, ASI, 8-VSB, SMPTE-310, RF, ATSC-M/H and DVB (DVB-T/T2, DVB-S/S2 and DVB-C) inputs. Multiple users can log in on-site or remotely. These fully networking instruments communicate with other StreamScope analyzers and remote monitors to provide a complete QoS picture across DTV networks.

Rackmount, portable, and tablet-based models

Available in a variety of form factors to meet all your MPEG analysis needs, the StreamScope MT-50 product line provides cost-effective, field-proven quality assurance for broadcast, cable, telcos, satellite, mobile DTV, and IPTV.



BENEFITS

- Analyze and troubleshoot QAM, ASI, GigE, 8-VSB, and SMPTE-310 inputs
- Monitor 1Gb and 10Gb Ethernet interfaces simultaneously
- Record transport streams and logs
- Verify PSIP/ PSI cross-table consistency
- View real-time and average audio loudness levels
- Check dialnorms and trigger recordings for CALM Act compliance
- Reduce synchronization jitters with PCR analysis
- View EPG data sets and errors
- Decode and verify closed captioning
- Network with StreamScope analyzers and monitors for complete coverage



New award-winning StreamScope Portal

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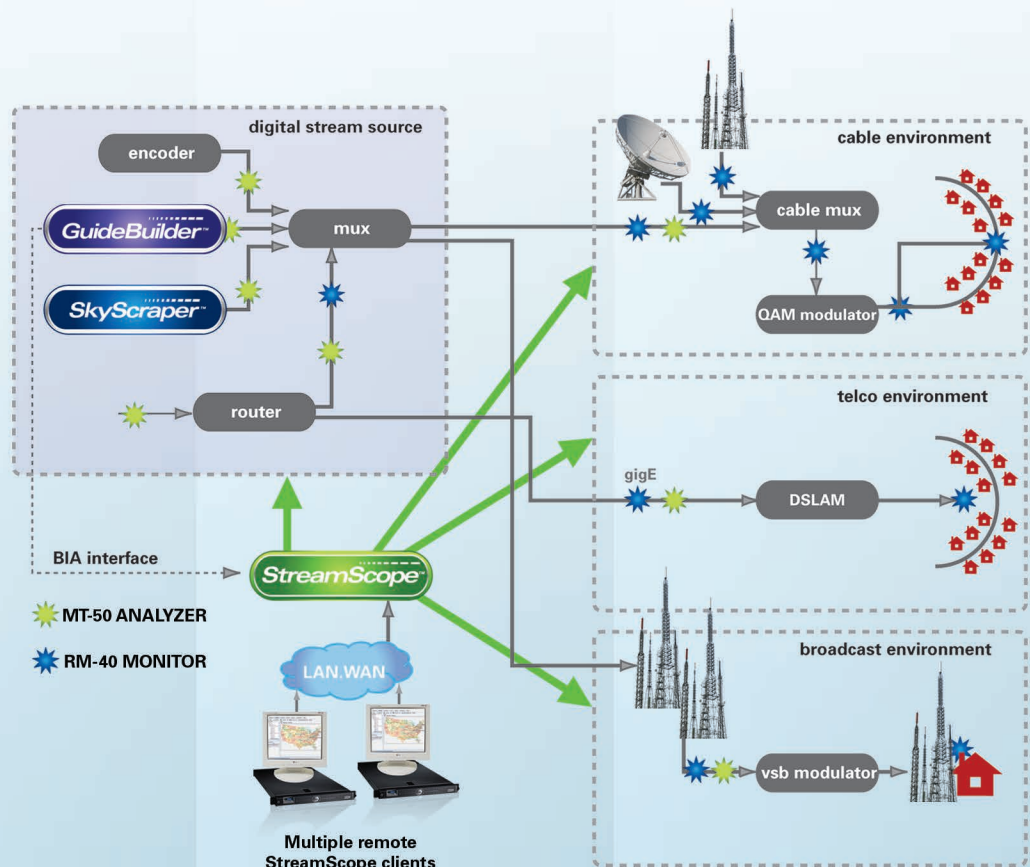
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MPEG Analyzers

KEY FEATURES

- Rackmount, portable, and tablet-based models
- Web connectivity to StreamScope analyzers and remote monitors
- Analysis modes: MPEG, ATSC A/78, DVB SI, STCE, ISDB
- Available inputs: 64/256 QAM, ASI, 8-VSB, SMPTE-310, 1GigE, 10GigE
- Loudness measurement in LKFS for A/85 CALM Act compliance
- Color-coded error alerts
- Dynamic charts and graphs for bitrates, S/N, PID usage, more
- Real-time PCR jitter and buffer analysis
- Cross-table analysis (terrestrial): SST, MGT, TVCGT, ETT, EIT, PAT, PMT, VCT, RRT
- Cross-table analysis (mobile): SMT, SLT, GAT, CIT, CAT, NIT, SDT, TDT, TOT, EIT, RRT, FIC, TPC
- MPEG-2/4 video rendering thumbnails
- Differed-time recording, playback, and rendering
- SNMP v2/3 trap alerts for network management
- EPG data sets and errors
- GOP analysis for I, B, and P frame structure
- IGMPv3 for IP multicast
- Optional SCTE 35 digital cue tone
- SCTE 18 EAS message logging



Specifications

Rackmount MT-50R

4U rackmount chassis and 19" rack rail kits
7.0" (H) x 19.0" (W) x 20.8" (D)
30 lbs. (13.6 kg)
Linux operating system

Portable MT-50P

Carry bag and shipping hard case
17.05" (H) x 13.62" (W) x 9" (D)
34 lbs. (15.4 kg)
17" LCD with anti-glare glass
Linux operating system

Low-cost Portable MT-50LCP

16.18" (H) x 12.64" (W) x 7.13" (D)
19.8 lbs. (8.9 kg)
15" LCD with anti-glare glass
Optional battery

Tablet-based Portal

0.79" (H) x 12.48" (W) x 8.46" (D)
3.37 lbs (1.5 kg)
12.5" HD touch screen
6-cell lithium battery

Data Communications (MT-50R & MT-50P)

One 10/100/1000 BaseT RJ-45 gigabit Ethernet port
Two 9-pin D-type serial COM ports
One 25-pin D-type parallel port
Two 4-pin USB 2.0 ports
One 37-pin D-type 8-alarm relay port (optional)

Data Communications (MT-50LCP)

One 10/100/1000 BaseT RJ-45 gigabit Ethernet port
One D-sub 15-pin VGA connector
Four 4-pin USB 2.0 ports
Two TI TSB43LV22 IEEE 1394a ports

Data Communications (Portal)

Wireless Bluetooth 4.0
Two 4-pin USB 3.0 ports
20-pin mini display port
Headphone/microphone port

Outputs (MT-50R & MT-50P)

TV-Out (S-Video)
Dual DVI-I
Stereo audio down-mix 1/8" (3.5 mm) mini
DVB ASI (optional) 75_ BNC

Environmental (MT-50R & MT-50P)

Operating temperature: 0° to 45° C
Non-operating temperature: -40° to 45° C
Operating humidity: 10% to 90% RHNC

Environmental (MT-50LCP)

Operating temperature: 0° to 60° C
Operating humidity: 10% to 90% RHNC

Environmental (Portal)

Operating temperature: 0° to 40° C
Non-operating temperature: -40° C to 65° C
Operating humidity: 10% to 90% RHNC

Specifications subject to change



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