

StreamScope® MT-60

MPEG Analyzers

Faster, Easier MPEG Troubleshooting

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, StreamScope MT-60 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, perform advanced RF analysis, and more. With StreamScope, 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, RF, ATSC-M/H, HVEC 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 troubleshooting use cases, the StreamScope MT-60 product line provides cost-effective, field-proven quality assurance for broadcast, cable, telcos, satellite, mobile DTV, and IPTV.



BENEFITS

- Troubleshoot QAM, ASI, GigE, and 8-VSB inputs
- ATSC 1.0 proven and ATSC 3.0 ready
- Record transport streams and logs
- Perform advanced RF spectrum analysis
- Monitor GigE and 10GigE Ethernet inputs simultaneously
- Verify PSIP/ PSI cross table consistency
- View real-time and average loudness levels
- Check dialnorms and trigger recordings for CALM Act compliance
- Reduce synchronization jitters with PCR analysis
- Check EPG schedules and details
- Decode and verify closed captioning
- Network with StreamScope analyzers and monitors for complete coverage

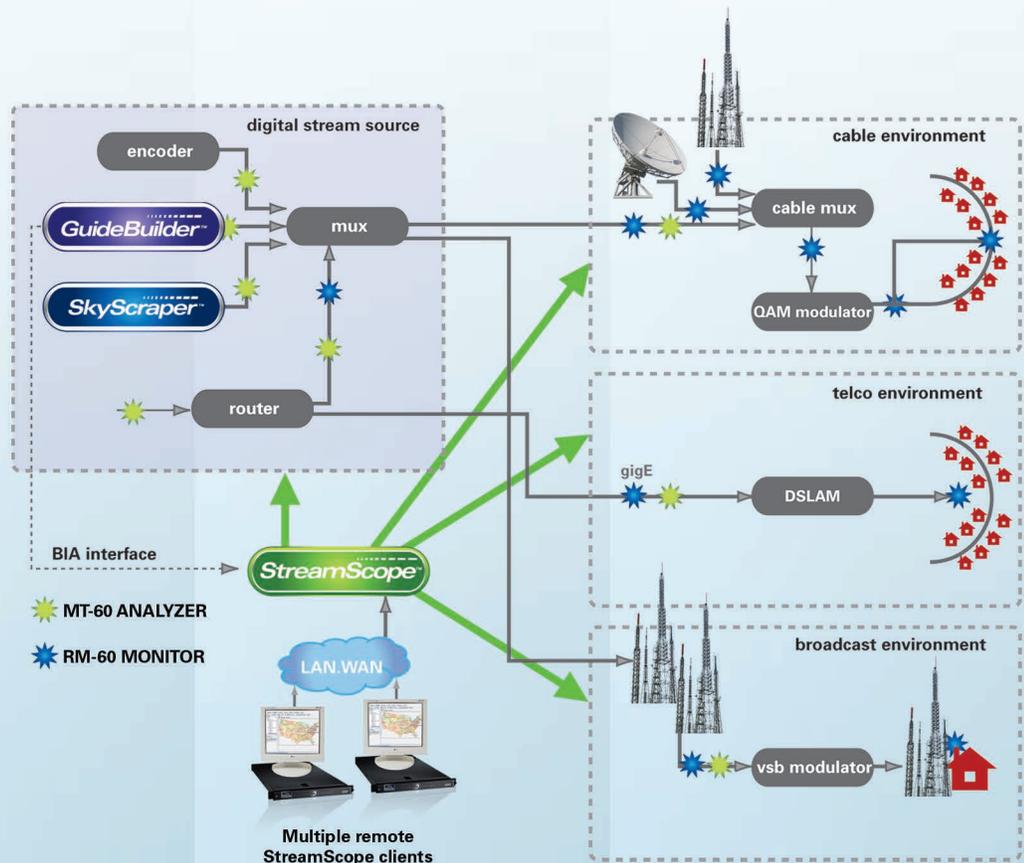


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KEY FEATURES

- Rackmount, portable, and ultraportable models
- Web connectivity to StreamScope analyzers and remote monitors
- Analysis modes: MPEG, ATSC A/78, DVB SI, SCTE-35, ISDB
- Available inputs: 64/256 QAM, ASI, 8-VSB, advanced RF, 1GigE, 10GigE
- Loudness measurement in LKFS for A/85 CALM Act compliance
- RF power levels, SNR, MER, constellations, eye diagrams, spectrum analysis, more
- Dynamic charts and graphs for bitrates, S/N, PID usage, more
- PCR jitter, bitrates, and buffers
- 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
- H.264, AVC, and HEVC compression support
- Differed-time recording, playback, and rendering
- EPG data sets and errors
- Profile, level, and chroma video data
- GOP analysis for I, B, and P frames
- Color-coded error alerts
- IGMPv3 for IP multicast
- Optional SCTE 35 digital cue tone
- SCTE-18 EAS message logging



Specifications

Rackmount MT-60R

1U rackmount chassis and 19" rack rail kits
1.7" H x 17.2" W x 23.5" D
46 lbs (20.87 kg)
Linux operating system

Portable MT-60P

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

Ultraportable Portal II

0.54" H x 11.98" W x 7.81" D
2.73 lbs (1.24 kg)
13.3" 1920x1080 touchscreen
4-cell lithium ion battery

Data Communications (MT-60R & MT-60P)

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 (Portal II)

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

Outputs (MT-60R & MT-60P)

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

Environmental (MT-60R & MT-60P)

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

Environmental (Portal II)

Operating temperature: 0° to 35° C
Non-operating temperature: -40° C to 65° C
Operating humidity: 10% to 90% RHNC

Specifications subject to change



Triveni Digital, Inc.
777 Alexander Road, Suite 101
Princeton, NJ 08540
609.716.3535 | t
609.716.3503 | f
info@trivenidigital.com
trivenidigital.com

triveni
DIGITAL
Better TV