

# 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

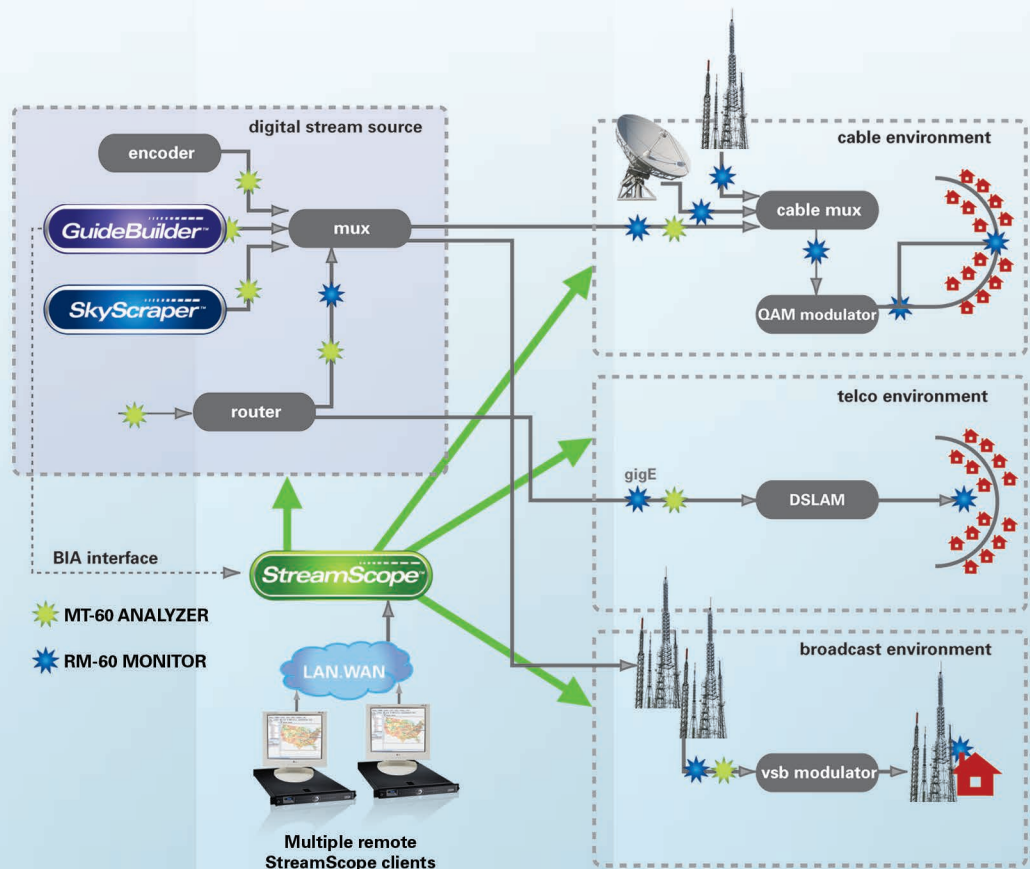


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### KEY FEATURES

- 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



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