

# StreamScope<sup>®</sup> RM-50

## Transport Stream Monitors

### Complete Video Quality Assurance

Award-winning StreamScope<sup>®</sup> RM-50s provide comprehensive quality of service and compliance monitoring for broadcast, cable, telco, satellite, and IPTV video networks. With up to six gigabits of throughput capacity, StreamScope RM-50s monitor all your DTV services in real time, and save rack space, reduce power consumption, and minimize operating expenses.

### Customized for your network

StreamScope RM-50 servers can be installed at central and remote nodes, and their web-based applications can be accessed from PCs and mobile devices. To fit your monitoring needs, you can configure network interfaces, trigger events, rule clusters, service groups, report subscriptions, log notifications, and more. And you'll appreciate the color-coded user interface that makes it easy to identify and resolve video and audio quality issues at all levels of your network.

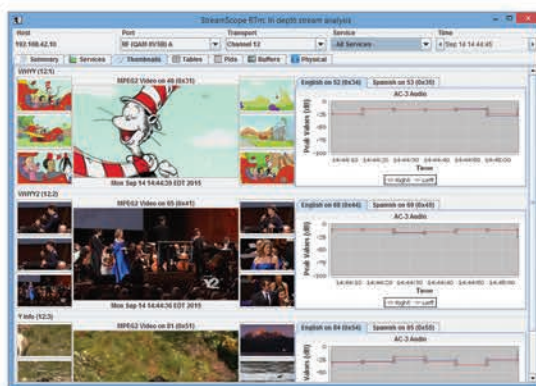
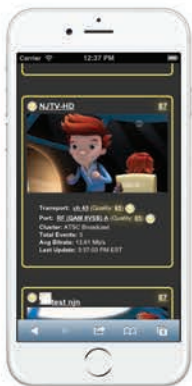
### Closed caption and audio loudness compliance

StreamScope RM-50s also ensure compliance with current closed captioning and audio loudness regulations. Engineers can view on-demand and automatic spot checks, as well as state-of-the-art CC verification and CALM Act reports. With StreamScope RM-50s, you get all the tools you need to deliver high quality digital TV services, including mobile access for on-the-go monitoring.



### BENEFITS

- Monitor transport streams for signal errors, rule violations, and QoS levels
- Handle up to six gigabits of throughput with 10GigE inputs
- Record streams and generate reports
- Perform detailed troubleshooting and postmortem analyses
- Ensure regulatory compliance
- Reduce monitoring costs with round robin channel sweeps
- Avoid false alarms with customized error levels
- Send automatic notices and reports to key personnel
- Save rack space, and reduce power consumption and operating expenses
- Connect to MT-50s and EM-40s for enterprise monitoring



With mobile access, live monitoring, and remote troubleshooting, StreamScope RM-50s provide complete video quality assurance.



609.716.3535 | t  
609.716.3503 | f  
info@trivendigital.com  
trivendigital.com

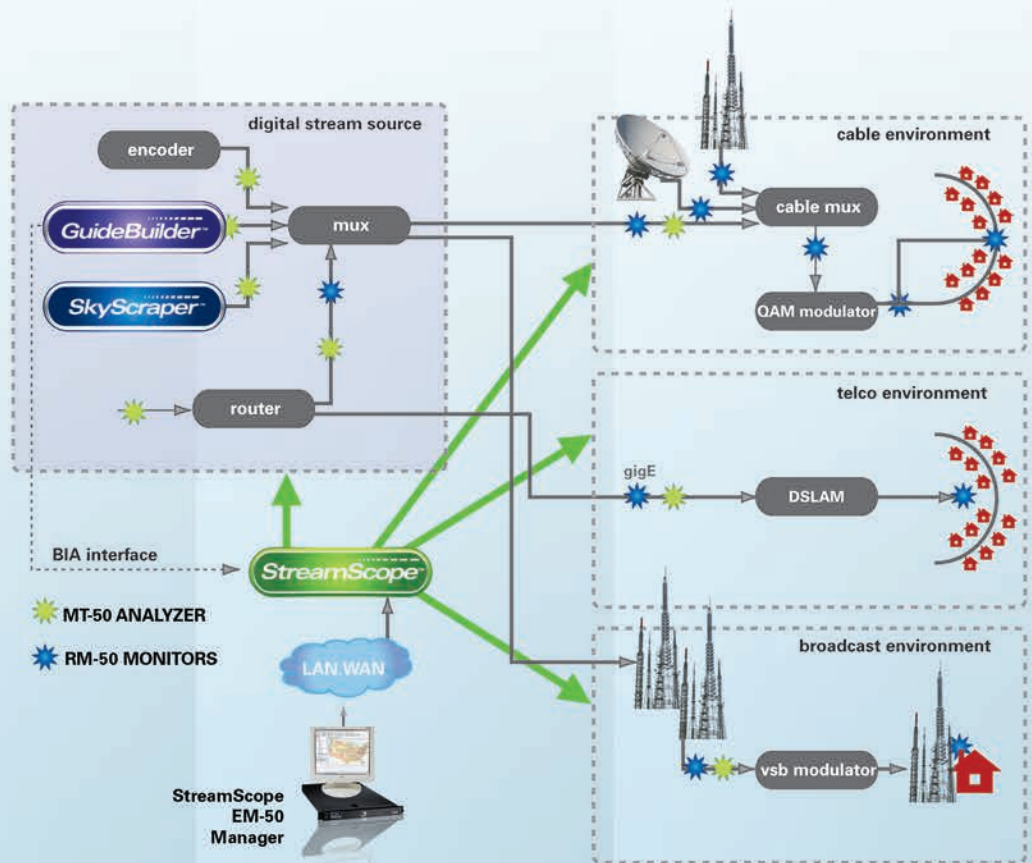


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### KEY FEATURES

- Services can be grouped
- Enhanced custom report
- ATSC, A/78, MPEG, SCTE-142, and DVB compliance
- QAM or 8-VSB, ASI, SMPTE-310, GigE, and 10GigE inputs
- Color-coded, drill-down web-based user interface
- Configurable error rules and rule sets for custom alerts
- Monitors EIA-608, EIA-708-E, SCTE 20, and SCTE 21 closed captions encoded in MPEG-2 and AVC (H.264)
- 24-hour CALM spot checks on up to five AC3 or non-AC3 audio streams
- Email report subscriptions
- Error notification via email, SMS, and SNMP v3 traps
- Round-robin monitoring pools for RF and Ethernet device ports
- Records live transport streams
- Closed captioning verification for language, accuracy, and synchronization
- Live video and audio thumbnails and buffer analysis
- Optional Remote Troubleshooting module (RTm) with detailed analytical data (up to 6 months)
- RTm includes the Live Service monitor (LSm) with real-time QoS graphs, video and audio thumbnails
- Synchronizes services with GuideBuilder program metadata
- Remote administration of user accounts, downloads, and logs
- Optional connections to MT-50s and EM-40s for enterprise monitoring



### StreamScope RM-50 Specifications

#### RM-50 Standard Model

1RU rackmount server  
Linux-based OS  
1.7"(H) x 19"(W) x 27"(D)  
38.5 lbs.  
100-240 V AC @ 50-60 Hz, 5-10A AC  
Three input ports: Combo, ASI, RF or SMPTE 310

#### RM-50 HBE (Higher Bandwidth Edition)

1RU rackmount server  
Linux-based OS  
1.7"(H) x 19"(W) x 30.39 "(D)  
39 lbs.  
100-240 V AC @ 50-60 Hz, 5-10A AC  
Two input ports: preconfigured with GigE card  
Battery back-up included

#### RM-50 10GigE (Highest Bandwidth)

2RU rackmount server Linux-based OS.  
44" (H) x 17.49"(W) x 26.92" (D) 45.0 lbs. 100-240 V AC @ 56-60 Hz, 5-10 A AC Four 500GB hard drives, two 120GB solid state drives

#### Data Communications

One 10/100/1000 BaseT RJ-45 gigabit port  
Two 4-pin USB 2.0 ports  
Two 9-pin D-type Ethernet serial COM ports

#### Environmental

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



Triveni Digital, Inc.  
40 Washington Road  
Princeton Junction, NJ 08550  
609.716.3535 | t  
609.716.3503 | f  
info@trivenidigital.com  
trivenidigital.com

**triveni**  
DIGITAL