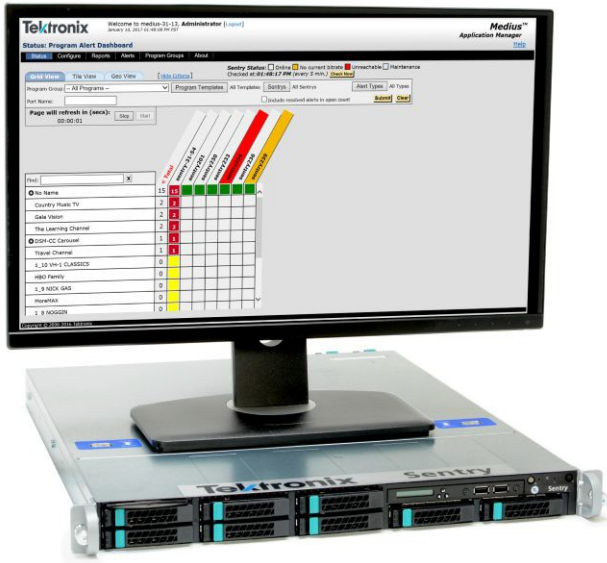# Video Quality Monitors

Medius Application Manager • VNM-MED2 Datasheet

Medius offers an advanced reporting package that is particularly helpful in capturing detailed QoE information that quickly highlights the top offending programs and/or locations. The reporting capabilities allow each user to generate customized reports that provide as much or as little detail as required, from monthly high-level reports for executive staff to immediate notices for technicians as incidents occur.

Features and benefits

- Consolidate data from multiple Sentry units
- Centralized alarm reporting
- Historical reporting and graphing
- Alert filtering and resolution tracking
- User-defined reporting template
- Custom reports
- Customizable dashboard display

- Ability to upgrade multiple Sentry units
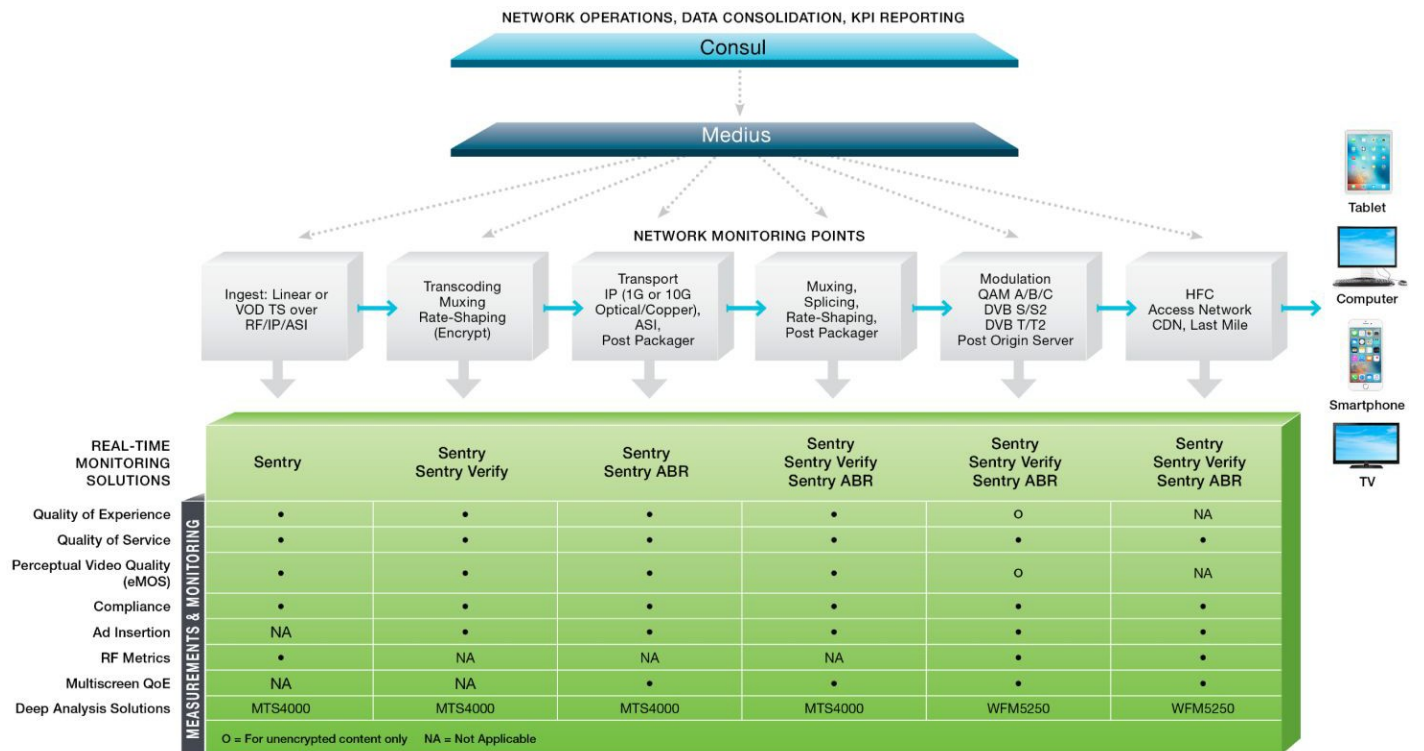- Error second and program availability reporting

Applications

- Multiple-view alert dashboard reporting
- QoE reporting
- Automated report generation and email
- Single point for NMS integration
- Program statistics and availability reporting

Monitor your entire network with rich graphs and an easy-to-use Web-based interface

Medius is ideal for Network Operation Centers (NOCs) and provides a single interface for consolidated status, alerts, and reports from multiple Sentry and/or Sentry Verify, Sentry Assure, and Sentry Edge units across the network.

The complexity of today's networks makes detecting, evaluating, reporting, and resolving subscriber audio and video QoE impacting events a costly and time-consuming headache. Medius provides operators with an alert dashboard that takes the guesswork out of error detection by quickly and accurately reporting and diagnosing video and audio issues occurring anywhere in the network. The alert dashboard includes a geographical view that displays all of the monitoring points on a map, showing which of them have alerts to quickly highlight problem areas or regions; a grid view that shows a program's alert status across all monitoring points for fast identification and repair of the source locations having video and audio problems; and a tile view that provides a quick snapshot of the alert status of all programs or services and quickly highlights which programs need the most attention. This functionality dramatically reduces the number of technicians – and the time they spend – solving problems. By streamlining – or entirely eliminating in many cases – the need for the traditional "process of elimination" methodology, operators can dramatically reduce operational costs while ensuring subscribers enjoy a premium quality of experience (QoE).

NETWORK OPERATIONS, DATA CONSOLIDATION, KPI REPORTING

Consul

Medius

NETWORK MONITORING POINTS

Tablet

Computer

Smartphone

TV

Network Monitoring Point	Description
Ingest: Linear or VOD TS over RF/IP/ASI	
Transcoding Muxing Rate-Shaping (Encrypt)	
Transport IP (1G or 10G Optical/Copper), ASI, Post Packager	
Muxing, Splicing, Rate-Shaping, Post Packager	
Modulation QAM A/B/C DVB S/S2 DVB T/T2 Post Origin Server	
HFC Access Network CDN, Last Mile	

REAL-TIME MONITORING SOLUTIONS — MEASUREMENTS & MONITORING

	Sentry	Sentry Sentry Verify	Sentry Sentry ABR	Sentry Sentry Verify Sentry ABR	Sentry Sentry Verify Sentry ABR	Sentry Sentry Verify Sentry ABR
Quality of Experience	•	•	•	•	O	NA
Quality of Service	•	•	•	•	•	•
Perceptual Video Quality (eMOS)	•	•	•	•	O	NA
Compliance	•	•	•	•	•	•
Ad Insertion	NA	•	•	•	•	•
RF Metrics	•	NA	NA	NA	•	•
Multiscreen QoE	NA	NA	•	•	•	•
Deep Analysis Solutions	MTS4000	MTS4000	MTS4000	MTS4000	WFM5250	WFM5250

O = For unencrypted content only   NA = Not Applicable

Medius™ offers video service providers an effective way of managing and aggregating status, alerts, and reports from multiple Sentry®, Sentry Verify™, and Sentry Edge™ units deployed throughout a network.

Specifications

Platform Characteristics

Browser Support	Firefox, Safari, and Internet Explorer
MPEG/IP Input Port	1000BASE-T Ethernet interface
Management Port	1000BASE-T Ethernet interface

Physical Characteristics

Dimensions

Height	44 mm (1.73 in)
Width	437 mm (17.2 in)
Depth	600 mm (29.5 in)

Weight (net)	12.4 kg (27 lb.)
Power Requirements	100-240 V AC, 50-60 Hz

Environmental Characteristics

Temperature

Operating	+10°C to +35°C, 30°C per hour maximum gradient
	Temperature of the intake air at the front and sides of the instrument
Non-operating	–20°C to +60°C, 30°C per hour maximum gradient
Power	4.0-1.7 A maximum, 100 - 240 V, 50/60 Hz
	The maximum power consumption for any board combination measured is 175 W at 120 V by safety test

Ordering Information

Models

VNM-MED2	Medius Application Manager

Power Plug Options

Opt. A0	North America power plug (115 V, 60 Hz)
Opt. A1	Universal Euro power plug (220 V, 50 Hz)
Opt. A2	United Kingdom power plug (240 V, 50 Hz)
Opt. A3	Australia power plug (240 V, 50 Hz)
Opt. A4	North America power plug (240 V, 50 Hz)
Opt. A5	Switzerland power plug (220 V, 50 Hz)
Opt. A6	Japan power plug (100 V, 50/60 Hz)
Opt. A10	China power plug (50 Hz)
Opt. A11	India power plug (50 Hz)
Opt. A12	Brazil power plug (60 Hz)
Opt. A99	No power cord

CE

telestream

29 Jun 2017 2CW-61218-0