

Video Service Assurance Manager

VQNet™ Data Sheet



Features & Benefits

- Element Management System for Tektronix Digital TV Monitor probes to alert, locate and diagnose video network problems
- Provides alarms, logs, trending and reporting of key performance metrics from a system of distributed probes
- Identifies services impacted and enables engineers to drill down for rapid root-cause analysis of video service delivery issues

Applications

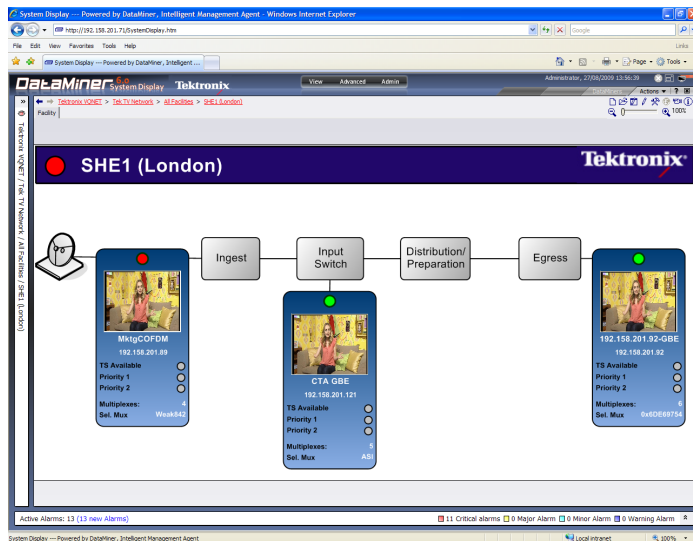
- Network-wide diagnostics for video/network operations centers and headend operations teams responsible for video delivery through their networks
- Maintaining quality of service and ensuring signal integrity to reduce subscriber dissatisfaction and protect subscriber and advertiser revenues

Introduction

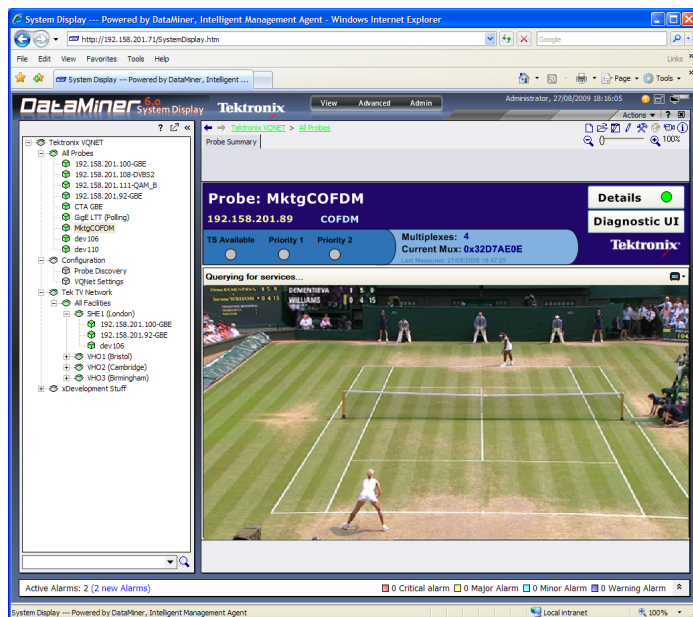
VQNet is a Tektronix Video Service Assurance Management System that supports all Tektronix Digital TV Monitor probe types. It is a software product which will run on a central computer (not Tektronix supplied) to monitor and report on the status of signals measured by distributed probes across a video distribution network. Up to 500 probes can be supported and placed at any location in the video distribution system. The user can manually direct any probe from the VQNet to analyze an IP video flow/session or tune to an RF frequency preset. Thumbnails can be displayed for multiple services from multiple probe locations and selected video services can be backhauled from the remote probes for visual verification by an operator.

Product Information

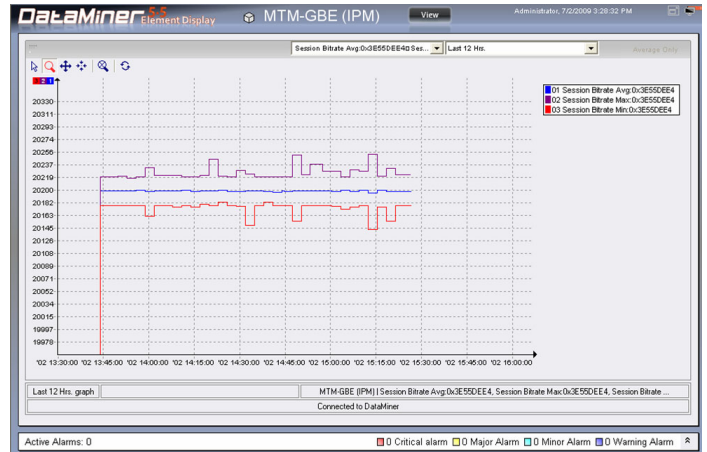
- Provides operators with the simplest information necessary to identify and resolve a large percentage of real-time video network errors
 - Facility and network-wide views across a video network with visual centric paradigm
 - Ability to view thumbnails or backhaul video content from any probe within the network
 - Ability to direct/tune the probe from a centralized control system
- Allows engineers to rapidly identify the location and root cause of underlying systemic service delivery problems across their headend network
 - Statistical logging and report generation
 - Trending analysis for tracking of management performance metrics and service-level agreements
- Scalable open-architecture solution to provide an integrated network view of multiple network elements
 - North-bound interface into Network Management Systems – VQNet aggregation and correlation capabilities can be made available for use with existing NMS
- Users can easily install, configure and maintain their own monitoring system
 - Automatic discovery of probe availability, configuration and diagnostic capabilities
 - Graphical views created and configured using industry-standard Microsoft Visio® toolset with editing features built into VQNet user interface



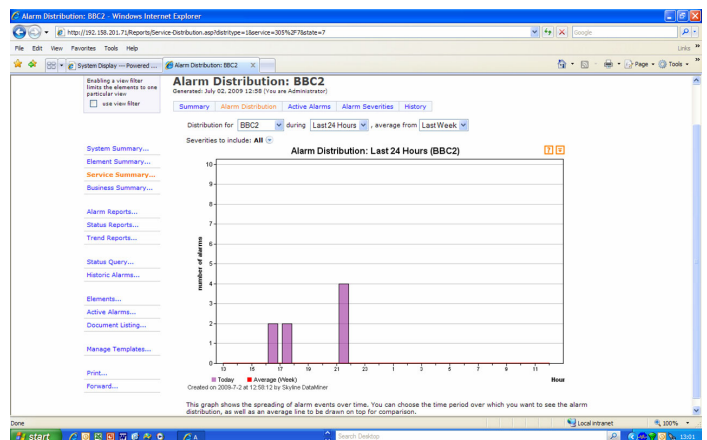
Facility and network-wide views across a video network with visual-centric paradigm.



View thumbnails or backhaul video content from any probe within the network.



Trending analysis for tracking of management performance metrics and service-level agreements.



Support for reporting through statistical logging and report generation.

Characteristics

PC System Requirements

Characteristic	Description
CPU	1x commonly available Intel Dual Xeon CPU or similar
RAM	2 GB
HD	80 GB SATA
Network	Dual Ethernet Interface recommended
OS	Windows XP Professional
Software	Microsoft Visio

Ordering Information

VQNet™

VQNET: Video Service Assurance Management Software for installation on customer's own PC.

Includes: 5 Monitoring Probe Licenses.

Options

Option	Description
VQNET Opt. MPL	Additional Monitoring Probe License to enable Tektronix monitoring probe to be used with VQNet system. 1 license per probe is required

Service Options

VQNET Opt. MNTSTD	Includes 1 year of software updates and technical phone support. Required for each VQNet license (Mandatory)
VQNET Opt. RENEW	1-year renewal of service and support coverage. Provides software updates and technical phone support. Required for each VQNet license

Complementary Products

Model	Description
IPM400A	IP Video Monitoring Probe for QoS of up to 500 MPTS or SPTS IP Video flows. For full details see separate data sheet
MTM400A	MPEG Transport Stream Monitor. For full product details, refer to product data sheet
RFM300	ATSC Digital TV Monitor. For full product details, refer to product data sheet

Field Upgrade Kits

Option	Description
VQNETUP Opt. MPL	Add single Monitoring Probe License to enable Tektronix monitoring probe to be used with VQNet system. 1 license per probe is required
VQNETUP Opt. MNT	Provides upgrade to latest version of software (includes 1 year of updates), and technical phone support. Required for each VQNet license



Product(s) are manufactured in ISO registered facilities.

Contact Tektronix:

- ASEAN / Australasia (65) 6356 3900
- Austria +41 52 675 3777
- Balkans, Israel, South Africa and other ISE Countries +41 52 675 3777
- Belgium 07 81 60166
- Brazil +55 (11) 3759-7627
- Canada 1 (800) 661-5625
- Central East Europe, Ukraine, and the Baltics +41 52 675 3777
- Central Europe & Greece +41 52 675 3777
- Denmark +45 80 88 1401
- Finland +41 52 675 3777
- France +33 (0) 1 69 86 81 81
- Germany +49 (221) 94 77 400
- Hong Kong (852) 2585-6688
- India (91) 80-42922600
- Italy +39 (02) 25086 1
- Japan 81 (3) 6714-3010
- Luxembourg +44 (0) 1344 392400
- Mexico, Central/South America & Caribbean 52 (55) 54247900
- Middle East, Asia, and North Africa +41 52 675 3777
- The Netherlands 090 02 021797
- Norway 800 16098
- People's Republic of China 86 (10) 6235 1230
- Poland +41 52 675 3777
- Portugal 80 08 12370
- Republic of Korea 82 (2) 6917-5000
- Russia & CIS +7 (495) 7484900
- South Africa +27 11 206 8360
- Spain (+34) 901 988 054
- Sweden 020 08 80371
- Switzerland +41 52 675 3777
- Taiwan 886 (2) 2722-9622
- United Kingdom & Ireland +44 (0) 1344 392400
- USA 1 (800) 426-2200

For other areas contact Tektronix, Inc at: 1 (503) 627-7111

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For Further Information. Tektronix maintains a comprehensive, constantly expanding collection of application notes, technical briefs and other resources to help engineers working on the cutting edge of technology. Please visit www.tektronix.com



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