



iVMS Video Management System

Simplified Quality Management for Linear TV Networks

Telestream's video management system, iVMS, oversees the health of the entire Linear TV video delivery network. It is the key to efficiently pinpointing and resolving issues wherever they occur in the network. iVMS detects customer impacting events, sends alerts and rapidly isolates faults while providing tools for remote troubleshooting. It tracks thousands of programs across hundreds of monitoring locations in a centralized system to provide true end-to-end video quality management.

iVMS aggregates QoS & QoE data collected on a per program basis from Telestream iQ acquisition elements and correlates it into intelligent views that provide an overall understanding of network performance. From there, with a quick click of the mouse, you can drill down to identify and isolate the root cause of issues by program, time and location. iVMS dramatically simplifies your ability to identify and isolate network issues and streamline operations through the use of automated intelligence gathering, to improve your mean time to detect and repair (MTTD/ MTTR) the performance of your video distribution and delivery system.

By effectively leveraging this intelligence, service providers can reduce support and customer service costs, decrease quality-related viewer churn, make informed investment decisions, and increase viewer-ship and end engagement rates through quality differentiation.

Benefits

- Streamline operations with end-to-end visibility into the entire video delivery network
- Pinpoint root cause of video issues and quickly dispatch resources to reduce mean time to repair
- Identify video delivery trends to better manage the network through historical analysis
- Benchmark the video network and operations with comprehensive performance analysis
- Simplify the reporting of issues by creating descriptions for each event/ alarm/alert into a human readable message

Applications

- Manage remote monitoring points from a centralized dashboard
- Real-time monitoring of the linear broadcast network
- Regulatory Compliance Monitoring (CALM & Closed Captioning)
- Track issues and identify trends in network performance

Key Features

- Real-time monitoring and historical analysis in a single platform
- Performance trending by channel, flow, probe with drill down metrics
- Easy customization of alarms and reports
- Scheduled and automated reports with email capabilities
- Topology and Map views for a visual representation of probing points
- Centralized probe configuration with parent-child relationships
- Collects data from the linear probe family including; Inspector LIVE, Surveyor TS, Geminus, Singulus and Cricket families
- Services categorized by program type (SD, HD, UHD, etc.)
- Northbound interface to third-party NMS/OSS systems
- SCTE-35 events allows users to see incoming cue tone traps
- Assign user privileges for added security
- Integrates with the Program Line-Up Manager to configure and manage probe inventory, aliases and channel attributes

Real-time Monitoring

Real-time monitoring allows a user to track the health of all video on a per program basis throughout the entire network. This level of visibility provides pro-active management of the quality of video services from its source to the customer's screen by detecting video impacting events, rapidly isolating faults and sending alerts. With geographic and logical views of network topology in displays that update in real-time, iVMS quickly indicates the source and magnitude of a problem allowing the accurate dispatch of resources to the exact point of the issue.

Performance Analysis

The iVMS stores performance and alarm data offering a top-down approach to analysis, while the automated reports keep operators and management up-to-date on the daily performance of the network.

Historical reports collect aggregated data from all monitored locations and provide an intelligent view of the network. Video providers are then able to benchmark performance and more efficiently manage resources

Packaging and Options

iVMS is available in two packages: 1RU appliance-based package or a virtualized software package which can be loaded on a Virtual Machine in a VMWare or KVM hypervisor environment.

