iVMS ASM
Product Sheet

iVMS ASM
Simplified Video Quality Management for OTT Streaming & Linear TV

OTT Video Streaming Market Challenge

You stream video content to viewers using adaptive bitrate technology across large multi-vendor networks. You must be able to identify potential problems before viewer playback is adversely affected; and when issues do affect the playback experience, you need to know who is affected, pinpoint the root cause of the issue as quickly as possible, and get right to the task of returning the system to peak performance. You also want to know where to make network improvements to prevent future occurrences of the same problem.
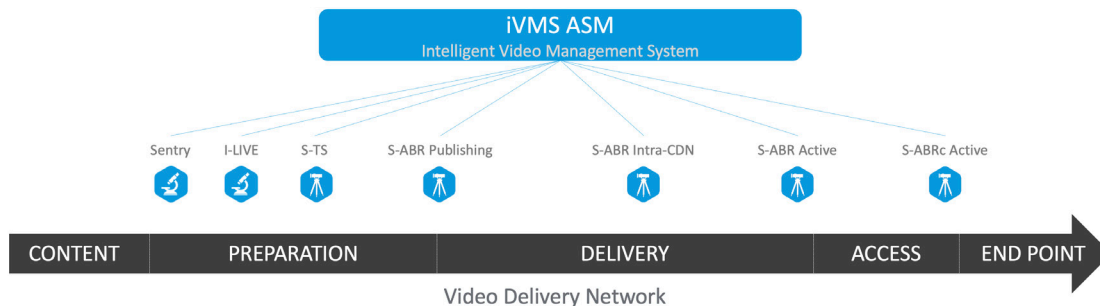
You collect performance and quality data from many Telestream iQ acquisition elements across the network, but manually checking the status on each individual acquisition element is an inefficient, lengthy way to get the necessary knowledge. You need to automatically aggregate and correlate that data into actionable intelligence; Answers, not just data.

The iQ Solution

Telestream's Intelligent Video Management System (iVMS® ASM) provides a comprehensive, real-time view into the health of your adaptive streaming video services.

It collects statistics from Inspector™ LIVE, Sentry, Surveyor™ TS family and Surveyor™ ABR family acquisition elements, performs program-level correlation across the aggregated data, and presents an easily understood visualization of video service performance. iVMS ASM 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.

The proactive network level monitoring made possible by iVMS ASM offers video service providers the dashboard view needed to consistently grade content quality and regulatory compliance before it enters the network, and monitor the network's Quality of Service (QoS) at hundreds of points across the delivery system. By centralizing the gathering and presentation of this data, you have the vantage point needed to effectively monitor and manage your viewers' quality of experience (QoE). And when an issue is detected, iVMS ASM's user interface provides you the ability to focus in on the issue. 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 viewership and end engagement rates through quality differentiation.

Video Delivery Network

telestream

Key Features

- Metric collection from hundreds of iQ acquisition elements provides a comprehensive video service view

- Live troubleshooting workflow provides asset views and details, monitoring points and integrated viewership analytics to ensure proper impact assessment

- Customizable user experience with roles and profiles means each user sees only the screens and data they need

- Post event troubleshooting workflow with drill downs and reports for quick health assessments and deep dive problem analysis — full manifest content, HTTP responses, and segment details

- Up to 30 days of performance data storage for trend analysis

- Open API for iVMS ASM system configuration and access to the metrics & information

- Customizable SNMP and e-mail alerting for the real-time intelligence of critical events

- Broad set of standard reports for performance analysis, closed captioning, advertising, and ABR text tracks

- Integrated End Client Analytics with Nice People at Work (NPAW)

- Browser-based user interface

Appliance and virtualized packages to meet the needs of both physical and cloud infrastructures

Applications and Uses

Leverage metrics collected from hundreds of Inspector LIVE, Sentry and Surveyor ABR family acquisition elements to:

- Monitor and inspect your content as it enters your ingestion points, to assure that content quality is as expected

- Validate proper content encoding and packaging for adaptive bitrate delivery

- Verify content accessibility at the origin server to assure successful publication

- Assess network and CDN performance and service Quality (QoS)

- Pinpoint quality issues across your entire video service portfolio with live, post-event and OTT VOD monitoring workflows

- Ensure performance and alignment for captions and subtitles including ABR text track monitoring for OTT services

Packaging and Options

iVMS ASM is available as a 1U server-based appliance or a virtualized software package which can be loaded on a Virtual Machine in a VMWare or KVM hypervisor environment.

Specifications

- Collects data from up to 1,000 Inspector LIVE, Sentry or Surveyor family devices

- Compatible with iQ acquisition elements; Inspector LIVE, Sentry, Surveyor TS, Surveyor ABR Publishing, Surveyor ABR Intra-CDN and Surveyor ABR Active

- Patented VeriStream QoS metric collection across the network for all program streams

User Interface for iVMS ASM provides quick monitoring and drill downs for more information

telestream

www.telestream.net | info@telestream.net | tel +1 530 470 1300