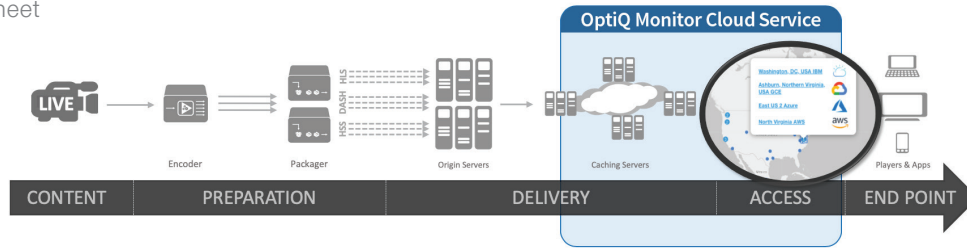


OptiQ Monitor

Product Sheet



OptiQ Monitor

Rapidly spin up next generation live stream monitoring across the network edge – provide realtime analytics, alerts and insights essential to a quality viewer experience.

Introduction

Lack of content delivery visibility through networks you don't control, in regions you are not located, to devices and viewers you don't manage—is a major challenge for modern OTT streaming services. OptiQ Monitor helps solve this challenge by seamlessly integrating state-of-the-art monitoring solutions from Telestream's industry leading iQ monitoring product lines into a globally distributed multi-cloud enabled service.

OptiQ Monitor features

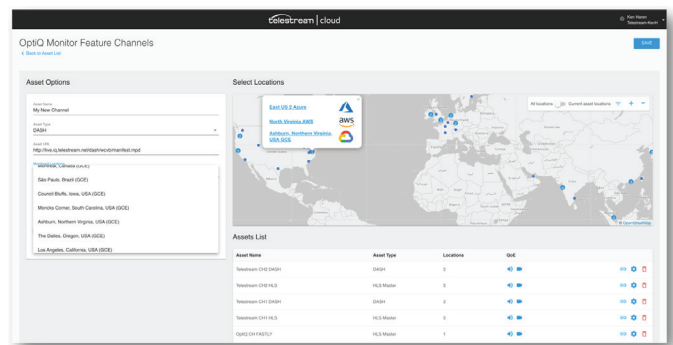
- Over 70 global monitoring points-of-presence available with plans to add more in 2020
- API for automation—advanced users can automate testing for all their events
- Unrivaled realtime measurement of live OTT channels
- A full suite of network QoS and stream quality QoE KPIs, providing the most in-depth analysis of streaming performance
- Single pane-of-glass view to see how each variant is playing in each region
- Content optimized alarm templates and alert notifications delivering actionable intelligence
- Create realtime comparisons of CDN partner performance by region and stream
- Test content origin and cdn edge locations to trace delivery challenges to specific points in the network.
- Use simplified consumption-based costing to match variable usage needs
- “Per Request QoS” feature provides a detailed correlation between network performance and metadata in the http response headers. Uniquely, operations can now get a realtime & historic view into which cache tier—and potentially which cache nodes were responding—when a specific QoS performance metric threshold was met.
- OptiQ Monitor enables a 72 hour rolling window where you can view collected streaming performance data. Additionally, you can select 10-day, 30-day and 60-day data retention policies. Once chosen, OptiQ Monitor automatically stores data for historic review and reporting of all collected metrics, events metadata, and alerts in the retention window.

What can OptiQ Monitor Tell you?

By leveraging the deep capabilities within the Telestream iQ video monitoring solutions, OptiQ Monitor provides a depth of analysis previously unavailable in such an easily managed, instantly scalable and broadly deployed solution.

OTT Streaming Delivery Performance (Realtime QOS)

- Realtime stream health KPIs concurrently measure performance by variant, location and delivery network
- Verify stream availability of every variant in every location
- Predictive analysis of rebuffer risk
- Identify stalled manifests and playlist errors
- Realtime measurement of the variant startup time and any corresponding connection errors
- Configurable alerts around http streaming errors and out-of-threshold delivery performance provide instant notifications
- Video Quality & Audience Experience Analysis (Realtime QOE)
- Identify and rapidly react to changes in content encoding that may be negatively impacting audience experience with intuitive realtime Audio/Video Audience MOS measurement
- Configure alarms for stalled video with live detection of out-of-threshold 'still/black' frame detection
- Realtime alerts for silent audio on any or all channels
- Ensure delivery and regulatory compliance with realtime DialNorm and DialNorm deviation analysis



Outcomes at a Glance

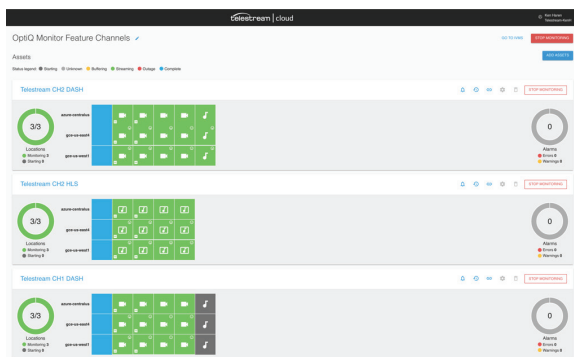
There's nothing out there that can do what OptiQ does in QoS/QoE monitoring—and without upfront investment, development, or compromises.

- True multi-cloud orchestration enables access to more locations in more geographies
- OptiQ Monitor leverages iQ market-leading ABR probes for best in class QOS and QOE monitoring
- Intuitive and powerful Open API and budget friendly consumption service model enables access to OptiQ Monitor with very little upfront investment in time or money
- It's an "Easy Button" for live video monitoring: One click spin up across every region
- Powerful actionable intelligence: Take full advantage of the worlds most powerful and insightful video analytics solutions
- Pay only for what you use, and only when you use it

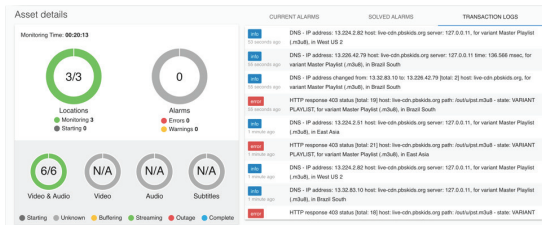
OptiQ Monitor Workflow

To monitor assets with OptiQ you simply:

- Create a project that contains a collection of assets that you will monitor. A project can consist of assets for one channel or assets related to a particular event.
- Define the assets you want to monitor, including metadata, playback URLs, access tokens, and the type of metrics you want.
- Customize alarm templates based on the content you are streaming. Define alarm templates with varying levels of sensitivity and optimized threshold settings for determining alerts on channel health.



OptiQ Monitor Console



OptiQ Monitor project assets: view alarm details and status

- Sign up for event notifications sent by email and automated alert notifications via the most common programmatic interfaces: webhooks, Amazon Simple Notification Service, Google Cloud Pub/Sub, and Azure Event Grid.
- On an Overview page, you can organize collections of channels into monitoring projects, view variant performance across channels and regions, and see a real-time dashboard.

Options

OptiQ Monitor can be purchased flexibly, starting with simple green/red status monitoring, ranging all the way to sophisticated realtime analysis & correlation, where you can dynamically spin up cloud monitoring projects with direct control over all analytics collection and alerts using the power of Telestream's iQ quality monitoring. Contact Telestream sales to learn more.

Business Benefits

- Pay only for what you use—and only when you use it
- Service model enables full-featured OptiQ monitoring with little upfront investment in time or money
- Multi-cloud means not being locked to 1 cloud provider
- Speed to market - reduce the time to create and monitor new services
- Increase resource efficiency - enable valuable resources to spend more time on new services and less on building infrastructure

Operational Benefits

- Monitoring can be simple—high level expertise not required; however, if you have monitoring expertise, OptiQ can be expanded to a full suite of deep-dive analytics and management options
- One click spin up across every region
- Deploying and orchestrating synthetic clients in the cloud is challenging—OptiQ Monitor does the work for you
- Define notification profiles to ensure alerts are reaching those that need them
- Open API 3.0 YAML simplifies integrations

