

# IQDialogue™ ASM

## Real-time Passive and Active Monitoring of Multiscreen & OTT Video Traffic

Consumers demand the same viewing experience with internet and mobile video as they do with traditional broadcast TV. Without visibility into the adaptive bitrate (ABR) streaming video network, providers cannot ensure video quality and service availability. When it comes to ABR streaming video, monitoring is even more challenging because of built-in quality variability and reliance on third-party networks to deliver your valuable content.

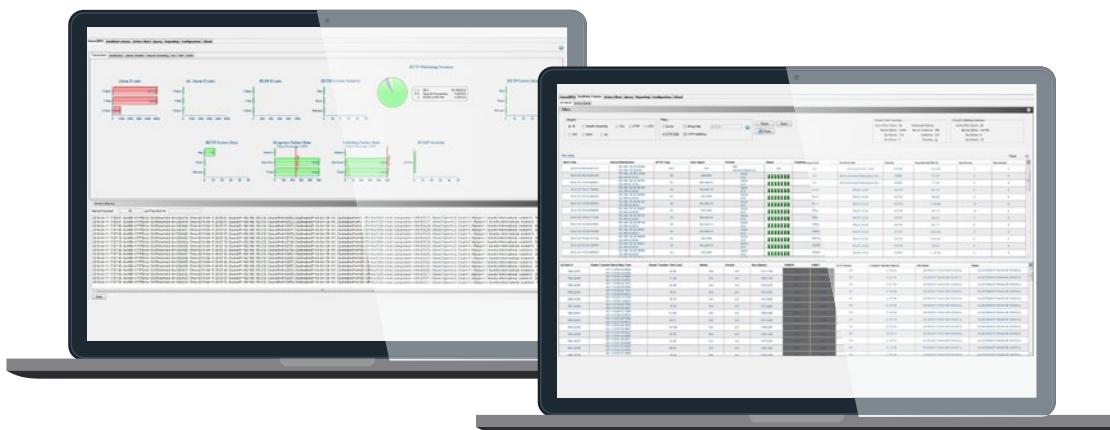
IQDialogue ASM provides service assurance and content availability monitoring at multiple points in the ABR network. This single probe is capable of providing publishing validation in the head-end as well as monitoring post origin server to the edge of the network with both passive monitoring and active client support for deployment at any geographical location.

With the insights from IQDialogue ASM, you can be assured that your valuable content is available at caching sites, be quickly notified of packaging errors, stale manifests, missing media chunks and any HTTP errors that could impact video content, the viewer experience and your brand.

When IQDialogue ASM is incorporated into IneoQuest's video management system, iVMS™ ASM, your team is empowered to monitor end-to-end video quality and service availability, reduce mean time to repair, react to changing network conditions and prevent outages before customer impact.

### KEY FEATURES

- 24/7 monitoring, alarming and logging of video assets
- Passive monitoring up to full 10G line rate traffic
- Active monitoring for up to 1G of adaptive video, for live or VoD adaptive assets
- Supports Apple® HLS, Adobe HDS, Microsoft® Smooth Streaming, MPEG DASH, RTSP, RTMP; web publishing (HTTP put and webdav), OTT traffic
- Dynamic parsing and conformance monitoring of playlists
- Capable of Verimatrix decryption for Active Monitoring of DRM protected content
- Stream forwarding for visual video inspection and advanced QoE using IneoQuest's Expedus DVA
- Rich, extensible Dashboard GUIs with actionable KPIs
- Support for IneoQuest's patented QoS metric, VeriStream
- Full packet capture of monitored traffic
- Auto-detection of signaling and vendor protocols with minimal configuration required
- Performance reports to focus investigations on the highest areas of concern
- Ability to import/export active client profiles



IQDialogue ASM provides visual representation of all aspects of various ABR protocols. Classification is done in realtime with intuitive displays that allow drill-down into all layers of the protocol stack to quickly identify actionable problems.

IQDialogue's power KPIs, real-time alarms and historical reports provide mechanisms for fault isolation down to the asset level or network equipment level.

**MONITORING AND ANALYSIS:**

- VeriStream QoS measurements and analysis of monitored sessions
- Full timing and auditing of HTTP requests and responses
- Full timing and auditing of RTSP based messaging
- Monitoring and alarming of HTTP response error codes (HTTP 4xx, 5xx) and redirects (3xx)

**UNIQUE FEATURE SET**

When analysis isn't enough, IQDialogue ASM can perform powerful functions such Content Preservation and Virtual Uplink.

Content Preservation for HLS content stores a unique copy of each segment or chunk requested by clients to be stored for detailed off-line analysis.

Virtual Uplink for HLS reassembles the MPEG-2 transport stream and forwards the video for visual playback and manual inspection or to an IneoQuest DVA probe for thorough QoE analysis.

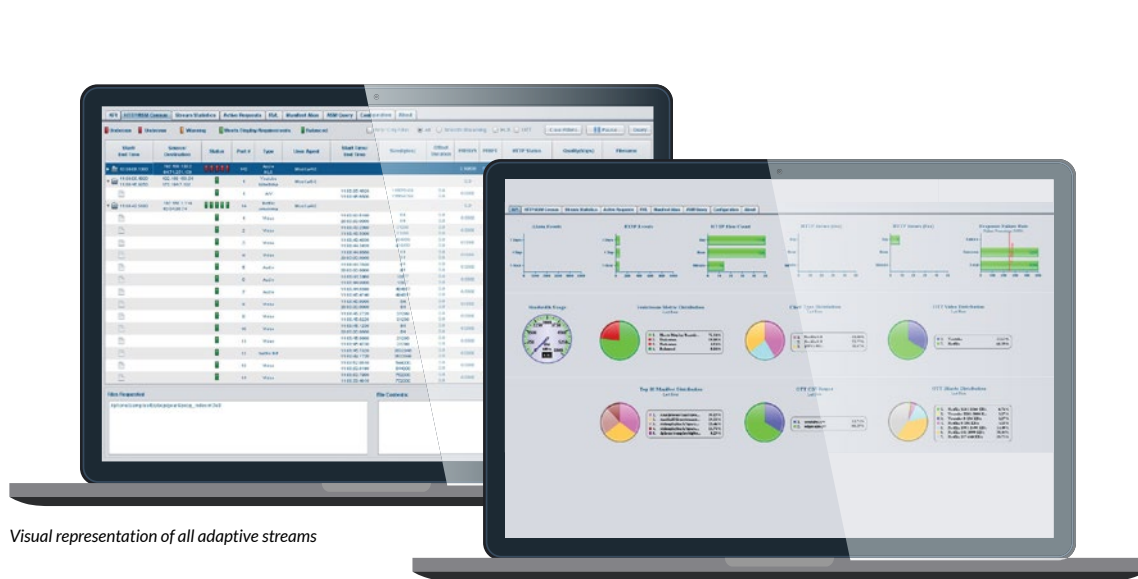
A powerful query function provides rich and informative data filtering on historical sessions, allowing forensic analysis of end-user session data.

**KEY PERFORMANCE INDICATORS**

In addition to the real-time monitoring and census view, IQDialogue ASM presents to the user a rich set of Key Performance Indicators and reports. The KPIs are interactive in nature, providing intuitive views of the service delivery platform performance and data points.

- Through-put analysis (sessions, Mbytes/sec, manifests, etc.)
- Enhanced analysis of HTTP header information (user-agent, cookies, tokens, etc.)

Reports allow users to focus on key areas of interest to drive investigations, including historical information on overall system errors, bandwidth usage, client session statistics and video stream performance.



Visual representation of all adaptive streams

IQDialogue ASM rich set of Key Performance Indicators



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