

Surveyor™ TS

High Density QoS Monitoring for Transport Streams



MARKET CHALLENGE

You are responsible for delivering video in MPEG2 Transport Streams - thousands of programs, and tens of Gbps of video traffic. All of the content must arrive on time, all the time; which means your network must reliably provide sufficient Quality of Service (QoS). The introduction of 1+ Gbps to the home, DOCSIS 3.1 and IPTV delivery bring changes to your network which can increase and amplify QoS risks, as your key video content traverses new and immature network infrastructure on its way to your customer. You must detect video impairments as quickly as possible, hopefully before they impact the user's viewing experience, or viewership and revenue are put at risk.

By monitoring your network's performance with TR 101-290 (QoS) parameters, you can quickly detect, identify, and resolve problems that could impact a significant number of viewers - and effectively manage that risk.

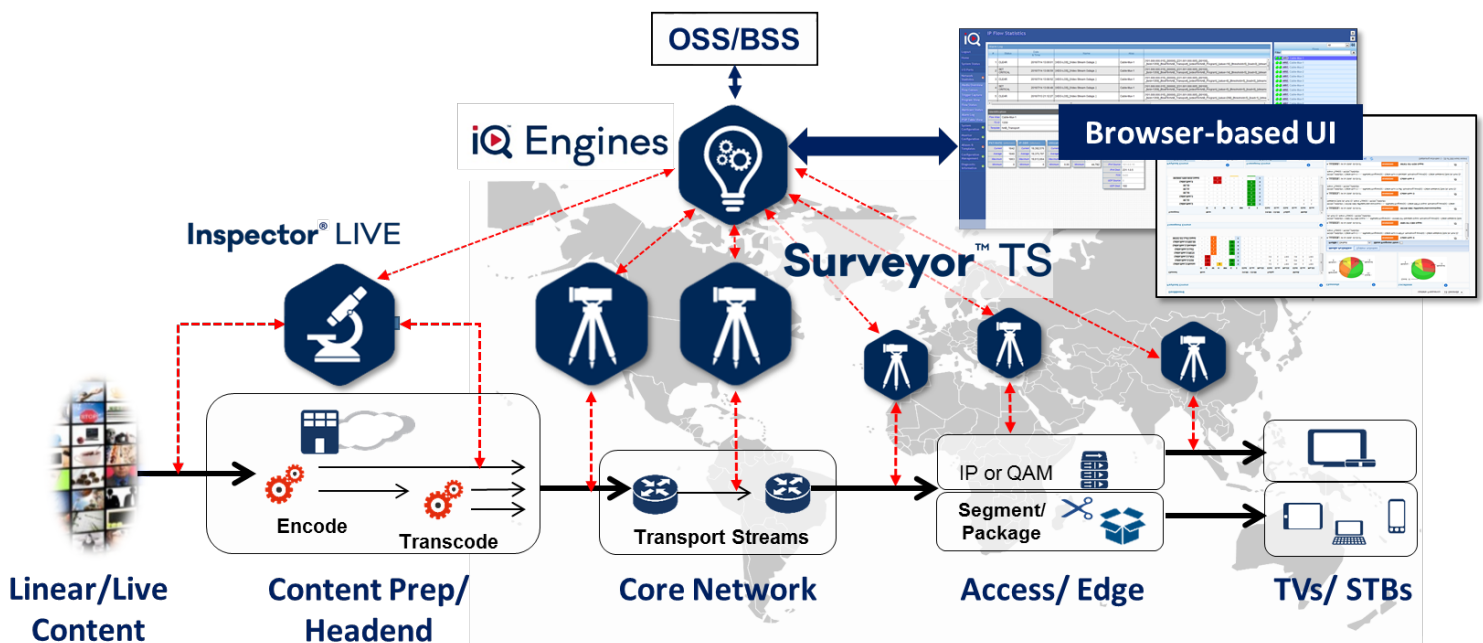
THE IQ SOLUTION

Surveyor TS (Transport Stream) is a high capacity, scalable MPEG-2 Transport Stream monitor that provides comprehensive digital QoS monitoring providing more

capacity in a smaller network footprint than prior generation solutions. Surveyor TS continuously monitors up to 20 Gbps of video traffic at line rate and in real time, measuring, trending and alarming on the TR 101-290 metrics for each program. Surveyor TS is designed to locate transport impairments as they happen and produce actionable insights that allow you to address issues before they impact the customer viewing experience. Surveyor TS delivers comprehensive video QoS monitoring, enabling diverse network applications such as:

- Full time 24x7 line rate monitoring of video network performance, at the head end, hub offices and local serving offices.
- Flow-by-flow, program-by-program troubleshooting
- Video network design and engineering

Surveyor TS can be used standalone, or as part of a multi-element quality assurance platform - a FoQus Platform - through the use of iQ Engine solutions such as iVMS and cVOC and iQ Acquisition solutions such as Inspector LIVE. This platform provides operators with a comprehensive view of content quality from origin through network transport.



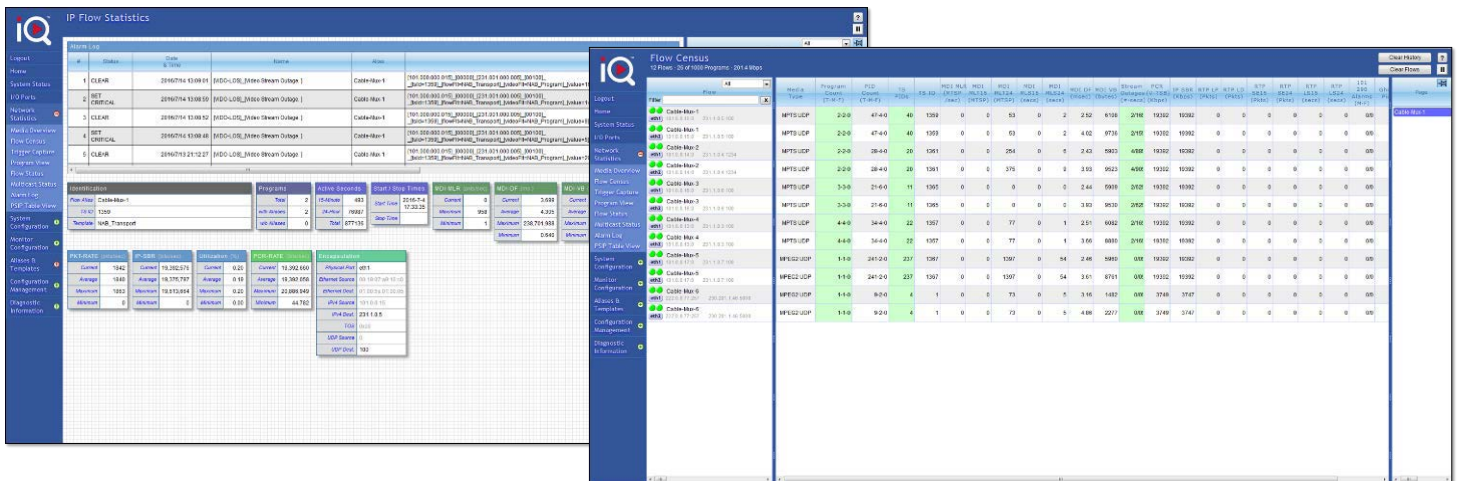
FEATURES AND BENEFITS

- Real-time, line rate monitoring and measurement of up to 20 Gbps of video traffic and up to 2,000 programs reduces power, footprint, and cooling requirements
- Licensable capacity options for “right-sizing” cost to application, and growth flexibility: 250/500/750/1000/1500/2000 program options
- TR 101-290 QoS metrics and RFC 4445 Media Delivery Index (MDI) metrics for standards compliance
- Detection of SCTE-35 program insertion signals for validation
- Unicast, multicast and broadcast support for comprehensive stream handling
- MPEG2, MPEG4, AVC/H.264, HEVC/H.265 support for broad codec visibility
- SD, HD and UHD support to handle all of your video
- Triggered capture of impaired video for post analysis
- Browser-based, backward compatible GUI interface with prior IneoQuest G-series probes for quick adoption
- 1 and 10 Gbps support via RJ45, SFP or SFP+ interfaces provides interface flexibility
- Both local and “Integrated Lights Out” remote management capability

- Both AC and DC power supply options for installation flexibility
- Single and redundant power supply options
- Compact 1 RU rack mountable form factor
- Virtualization ready, IPv6 capable
- An element of the IneoQuest FoQus Platform, allowing you to easily grow a comprehensive video assurance capability as you go

SPECIFICATIONS

Description	Specification
Dimensions without Rack Mounting Flanges	Width X Height X Depth 430 mm x 44 mm x 575 mm (16.93" X 1.73" X 22.64")
Dimensions with Rack Mounting Flanges	Width X Height X Depth 483 mm x 44 mm x 602 mm (19" X 1.73" X 23.7")
Weight	10.5 kg (23.2 lbs)
Power (AC Option)	100-240 VAC, 50-60 Hz
Power (DC Option)	-48/-60 VDC (+/-20%)
Typical operation with 2 active 10 Gbps ports	130 watts (444 BTU/h)



Surveyor TS provides the intelligence you need to Raise your Video IQ.

Surveyor™ TS is an element of the IneoQuest® FoQus™ Platform, the industry’s premier portfolio of complementary video quality intelligence solutions. The platform is built on multiple data acquisition elements which collect real-time metrics from critical points in the video distribution chain—from content preparation, through network delivery, to playback. This data is then aggregated, correlated and processed by IneoQuest’s powerful iQ Engines™, to provide an immediate and accurate view into the performance and quality of your video content and services.

Actionable Video Quality Intelligence

If you provide video to viewers – or provide critical video delivery services and infrastructure – the IneoQuest FoQus Platform has solutions that give you unparalleled visibility into the health of your video business.

