



## Analyzer NET 1G-50

*The Analyzer NET 1G-50 is engineered to meet the quality monitoring needs of technicians working with DTV services in pure IPTV networks and IP-based next generation cable TV deployments. It is also an integral part of a complete Agama DTV Monitoring Solution, supporting the whole organization. Full network and transport stream QoS and QoE analysis with comprehensive real-time TR 290 monitoring for up to 50 streams enables a proactive approach to quality assurance.*

The Agama Analyzer NET 1G-50 is a streamlined software solution for continuous real-time monitoring of digital TV services, ready to be deployed at strategic locations in the network. Part of Agama's complete product line for true end-to-end monitoring, the Analyzer NET 1G-50 provides coverage for the core and distribution networks.

With real-time and historical views of the technical quality of service and the viewers' quality of experience, operators can quickly identify, prioritize, pinpoint and troubleshoot problems.

The Analyzer uses powerful, multimetric, multi-layer analysis with a focus on network and transport stream parameters and their impact on the viewers' quality of experience.



### Key features

- Monitors 50 channels simultaneously – up to 900 Mbit/s
- Multimetric monitoring on the IP, UDP/RTP, and TS layers
- Monitors any DVB TS, independent of codec and encryption
- IP packet loss, loss rate, and jitter for both CBR and VBR streams
- RFC3357 average loss distance, loss events, average loss period
- Real-time TR 290 P1 and P2 parameters on all monitored streams
- Bit rate presentation including individual PID bit rates
- Presentation of service configuration, including DVB PSI tables
- Integrated stream recording and stream forwarding capability
- Web-based UI with at-a-glance QoE and detailed QoS

### Available add-ons

- Triggered stream recording
- Live play functionality
- Extended IP metrics
- Upgrade to Analyzer NET 1G-200
- Upgrade to Analyzer NET 2G-500
- Upgrade to Analyzer FLEX



## Key applications

- **IPTV monitoring**

Automated remote network and transport-oriented monitoring of up to 50 IP SPTS in a network location – intuitive drill-down workflow from QoE overviews to detailed QoS parameters

- **CATV service monitoring**

QoS and QoE monitoring of up to 50 IP muxes for next generation cable TV deployments with IP-based central networks – with drill-down from mux level to details on individual services

- **End-to-end monitoring**

Part of a full-coverage service assurance, correlated with other Analyzers and IPTV or hybrid Embedded Monitoring Probes – daily operational support with Agama Enterprise Server and strategic reporting with Performance Management

- **Visual inspection**

Remotely capture, download and play back transport streams for confidence monitoring and impact analysis

## Unique Quality of Experience classification

The Analyzer continuously monitors and presents a large set of technical Quality of Service parameters. Based on sophisticated multimetric heuristic analysis, the QoS data is also refined into four color-coded QoE levels.

The classification is used consistently throughout the Agama DTV Monitoring Solution. This helps operators instantly assess the severity of problems and take the right actions in the right order.

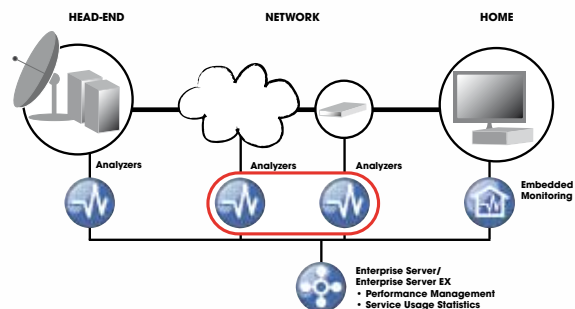


## Part of a complete product range for true end-to-end monitoring

The Agama DTV Monitoring Solution is a complete solution for automated, 24/7 real-time monitoring of Live TV and VoD service quality. It features components for head-end, network, portable and end-point monitoring.

With non-technical high-level views, low-level details, integration possibilities and advanced reporting, it supports every part of the quality-aware operator's organization in striving for excellence. Having all the critical information all the time from every relevant service layer at every strategic monitoring point allows operators to pinpoint problems in real-time.

Reducing time-to-fix, avoiding needless truck rolls and increasing customer satisfaction, Agama's customers work efficiently and build a reputation for outstanding quality.



Connecting the Analyzer NET 1G-50 to an Agama Enterprise Server or Enterprise Server EX enables remote configuration, stream forwarding, alarms functionality, central correlation with information from other Agama monitoring components, and reporting for SLA follow-ups and trend tracking.

A complete end-to-end DTV monitoring solution from Agama includes the following components:

- Enterprise Server or Enterprise Server EX for central management, system-wide quality overviews, alarms, and reporting
- Analyzer H-E for advanced monitoring in the head-end
- Analyzer NET, Analyzer eQAM or Analyzer FLEX for monitoring at strategic locations in the core and distribution networks
- Embedded Monitoring Solution for monitoring of end-point quality and usage in each and every set-top box with optional Video on Demand quality and usage monitoring
- Verifier Advanced for Video on Demand asset verification

