

Analyzer FLEX

The Analyzer FLEX is a turnkey ready solution for real-time DTV service quality monitoring, supporting tailored deployment throughout the whole delivery chain. It can monitor MPEG-2 and MPEG-4 AVC content on 1GbE, 10GbE, DVB-T/C/S and ASI in a range of combinations. With a variety of add-ons and channel packages, the Analyzer FLEX is the most versatile solution on the market, supporting operators in the most demanding of circumstances as part of Agama's complete DTV Monitoring Solution.

The Agama Analyzer FLEX is a software solution for continuous monitoring of digital TV services with real-time and historical views, fully adaptable to suit a wide range of needs and technical variables.

Part of Agama's complete product line for true end-to-end monitoring, the Analyzer FLEX is ready for customized deployment in head-end environments, strategic network locations or even on laptops for portable monitoring in the field. In each case, the information from all deployed locations can be centrally correlated using the Agama Enterprise Server or Enterprise Server EX for a complete end-to-end perspective.



Key features

- Monitoring on the IP, UDP/RTP, TS, PES, and audio/video layers
- Supports both MPEG-2 and MPEG-4 AVC encoded video
- Alarm generation towards central Agama solution
- Live thumbnails for confidence monitoring
- Real-time TR 290 P1 and P2 on all monitored IP SPTS.
- Real-time TR 290 P1, P2 and P3 (except buffer) on all monitored MPTS (with Broadcast Monitoring add-on).
- Extended IP metrics with burst/gap analysis
- Presentation of service configuration, including DVB PSI tables
- Integrated stream recording capability
- Web-based UI with at-a-glance QoE and detailed QoS

Available add-ons

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|-----------------------------|-----------------------------|
| • IP Streamer | • Round-Robin |
| • Customer Load Generator | • Active RTSP |
| • Stream Forwarding | • Triggered Recording |
| • Live Play | • Multiple Location support |
| • Broadcast Monitoring | • Redundancy Monitoring |
| • Template-Based Monitoring | • T2-MI support |



Key applications

- **Real-time end-to-end monitoring**

With integrated support for GbE, 10GbE and ASI interfaces and optional support for DVB-T/C/S interfaces and MPTS monitoring, the Analyzer FLEX supports end-to-end monitoring in a range of DTV distribution scenarios

- **Guided troubleshooting**

Real-time measurements graphs updated every second and resettable counters for TR 101 290 parameters and network errors give instant feedback during troubleshooting

- **Active testing**

Optional functionality supports collection of IGMP join time (zap time) statistics, stress testing multicast delivery by simulating customer load and checking the health of VoD servers with session and stream quality analysis

- **Portable monitoring**

Can be installed on a laptop and deployed at trouble spots anywhere in the network for troubleshooting and central correlation with stationary Analyzers

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.

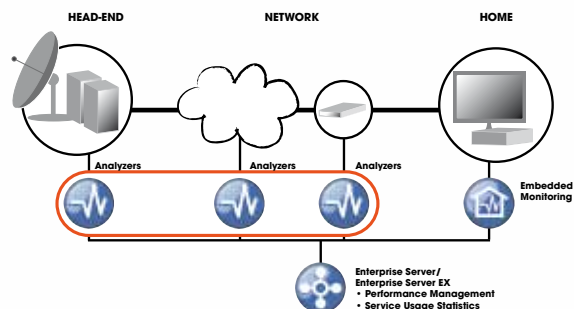


Part of a complete product range for true end-to-end monitoring

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 FLEX 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

