

## Analyzer eQAM 1G-20-2RF

**The Analyzer eQAM 1G-20-2RF is engineered to meet the quality monitoring needs of DTV technicians working with next generation cable TV deployments. It monitors up to 20 channels on one 1G IP interface and two RF interfaces with full QoS and QoE analysis and comprehensive real-time TR 290 P1, P2 and P3 evaluation. Representing the IP and RF side as separate locations, it is tailored for proactively assuring TV services through an edge QAM.**

The Agama Analyzer eQAM 1G-20-2RF is a software solution for real-time quality assurance of digital TV services in edge QAM locations and other mixed CATV/IPTV environments. This special edition of the Agama Analyzer supports two RF interfaces, enabling a combination of continuous and round robin mode operation.

Part of Agama's complete product line for true end-to-end monitoring, the Analyzer eQAM 1G-20-2RF analyzes a large set of technical Quality of Service parameters and consistently classifies their impact on the viewers' Quality of Experience. This enables tracking of the quality of muxes through edge QAM locations and correlation with monitoring throughout the entire delivery chain.



### Key features

- Supports monitoring of up to 20 channels simultaneously
- Side-by-side correlation dashboard for IP and RF
- RF monitoring with signal strength, SNR, BER and uncorrected blocks, based on measurements from selected RF interface card
- IP monitoring with UDP bitrate, packet loss and jitter
- Supports monitoring of muxes and individual services on IP and RF
- PCR accuracy for each PCR PID and bitrate per TS, service and PID
- All TR 290 P1, P2 and P3 parameters (except buffer) for all monitored transport streams
- Presentation of service configuration, including DVB PSI tables
- Supports two RF interfaces and round robin mode operation
- Integrated stream recording and stream forwarding capability

### Available add-ons

- Triggered stream recording
- Live play functionality
- Upgrade to Analyzer eQAM 1G-200-RF
- Upgrade to Analyzer FLEX



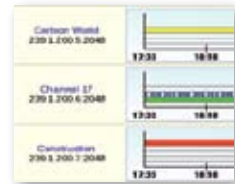
## Key applications

- Wrapped edge QAM monitoring with service correlation between IP and RF**  
 Use one RF interface for round robin monitoring to cycle through muxes and one for continuous monitoring of a selected high-priority mux, correlating the monitoring with the incoming IP feeds
- Monitoring of mixed CATV/IPTV deployments**  
 QoS and QoE monitoring of a mix of up to 20 streams and services on IP and RF – ideal for quality-aware operators with a need to monitor streams distributed over a combination of CATV and IPTV infrastructure
- End-to-end monitoring**  
 Part of a full-coverage service assurance, correlated with other Analyzers and 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 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.

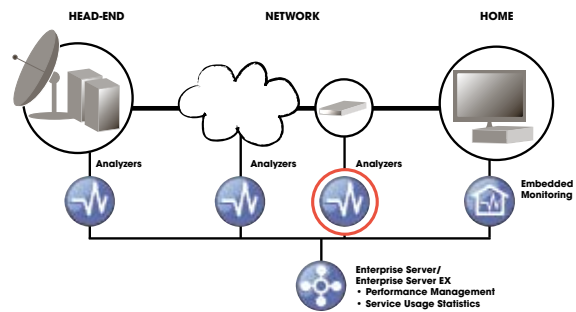


## Part of a complete product range for true end-to-end monitoring

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 eQAM 1G-20-2RF to an Agama Enterprise Server or Enterprise Server EX enables remote configuration, stream forwarding, alarms functionality, central correlation of the Analyzer eQAM's two monitoring locations 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 1G-50, Analyzer NET 1G-200, Analyzer eQAM 1G-20-2RF, Analyzer eQAM 1G-200-2RF 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

