



## MPEG Transport Stream (TS) Logging and QoE Monitoring

Networks, Stations, Cable and IPTV operators are continually challenged to do more with less. They need to assure an ever increasing array of high quality digital programming, handle broadening array of regulatory requests, while delivering an increasingly complex metadata (DVB subtitles, EIT/PSIP, interactivity) to leverage the new digital TV ecosystem. To do this, networks, stations and operators must be able to proactively monitor and quickly troubleshoot items from the details of MPEG metadata all the way down to the quality of the rendered content.

Based on Volicon's award-winning broadcast Observer system, MPEG Transport Stream (TS) logging with the Observer TS® enables networks, broadcasters, Cable and IPTV operators to do more than ever before. With continuous logging of MPEG transport streams, monitoring program QoE, and the ability to seamlessly export and stream MPEG TS or low resolution proxies, the Observer TS allows for efficient operation with WAN and enterprise wide clients. Logging the native MPEG TS greatly simplifies troubleshooting, chronic resolution, and regulatory proof of conformance.

### Key Benefits

- Intuitive interface and enhanced features
- Native MPEG TS (ASI/IP/DVB) logging
- Simplifies signal flow for broadcast logging
- Improved logging density – more streams per Rack Unit (RU)
- Operation over WAN enterprise with low res proxy
- Easy repurposing of full rate and resolution TS log
- Content QoE Analysis and alarming - SNMP or email
- Off line analysis of MPEG metadata: AC-3, Dialnorm, PSIP, DVB-Subtitles, TR 101 290

### Key Use Cases

- Broadcast and Network compliance logging
- Cable and IPTV ingest logging and monitoring
- Content repurposing
- Media monitoring digital TV broadcasts



## Key Features

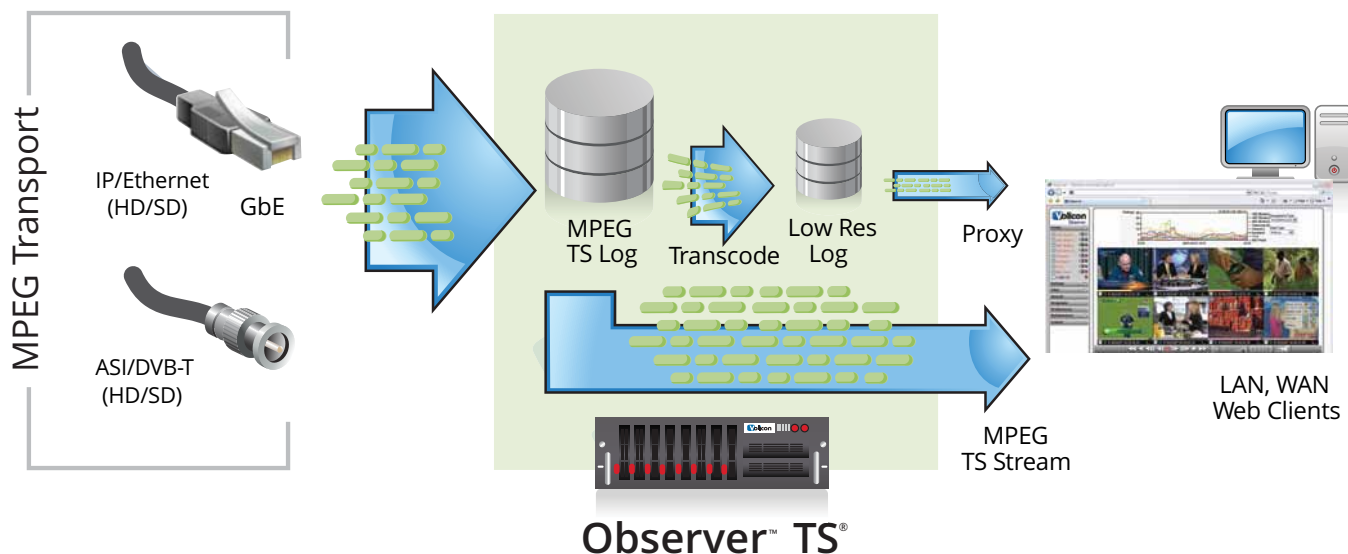
### All the familiarity of Observer Enterprise features:

- 24x7 logging of content (TS and proxy)
- Observer Web client with DVR controls
- BS. 1770/EBU/ATSC Loudness Module
- A/V QoE Monitoring and Alerting Module
- Rating & As-Run-Log Import Module
- Content Match Module (CMM)
- Content Export feature

### PLUS:

- Video Codecs – MPEG-2 Video, MPEG-4 AVC (H.264)
- Audio Codecs – MPEG-2 Audio (MP3), AAC, AC-3(DD)
- Content Capture - MPTS or SPTS
- Congurable programs and PIDs
- Congurable duration by program
- TS Content clipping and export
- PID Monitoring - DVB Subtitles, AC-3 Dial Norm

## MPEG TS Logging - Separate MPEG TS & Low Res Logs



## Available Modules

### DVB Subtitles Capture

Monitoring DVB subtitles, decoding, recording and playback is a task that broadcasters need in order to ensure proper execution and compliance with regulations. Observer alerts on missing DVB subtitles to assure full proof of conformance.

### Content Matching

Identify when specific content is aired. Track aired instances of specific commercials and programs on competitor's broadcasts, and verify that required content was properly aired. Positive matches generate a video clip entry in the fingerprint log, and can issue alerts to a set list of users.

### Ratings Import

Understand the popularity of aired content. By importing viewer approval ratings data into Observer, users can easily view multiple channels of content with a synchronized ratings graph. Navigate to points of interest by clicking on one of several supported chart types, including demographic breakdowns, and gain a better understanding of the content's effectiveness.

## TS Available Configurations: Enterprise • Professional • Scout



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