MultiView

View and monitor video streams, audio streams and/or subtitles streams.

Product information

Product

☑ Software
☐ Hardware [1]

Video quality metrics

☑ No reference
☐ Parametric
☐ Hybrid

Audio quality metrics

☑ No reference
☑ Loudness (according to recommendations ITU BS 1770-2 and EBU R128)
☐ Decodability

Input types

☐ File
☑ IP streaming [2]
☐ Capture card/device
☐ Desktop capture

Input formats

☑ HEVC (H.265)
☑ MPEG-4/AVC (H.264)
☑ MPEG-2
☑ Uncompressed [3]
☑ Other encoded formats [4]

Applications

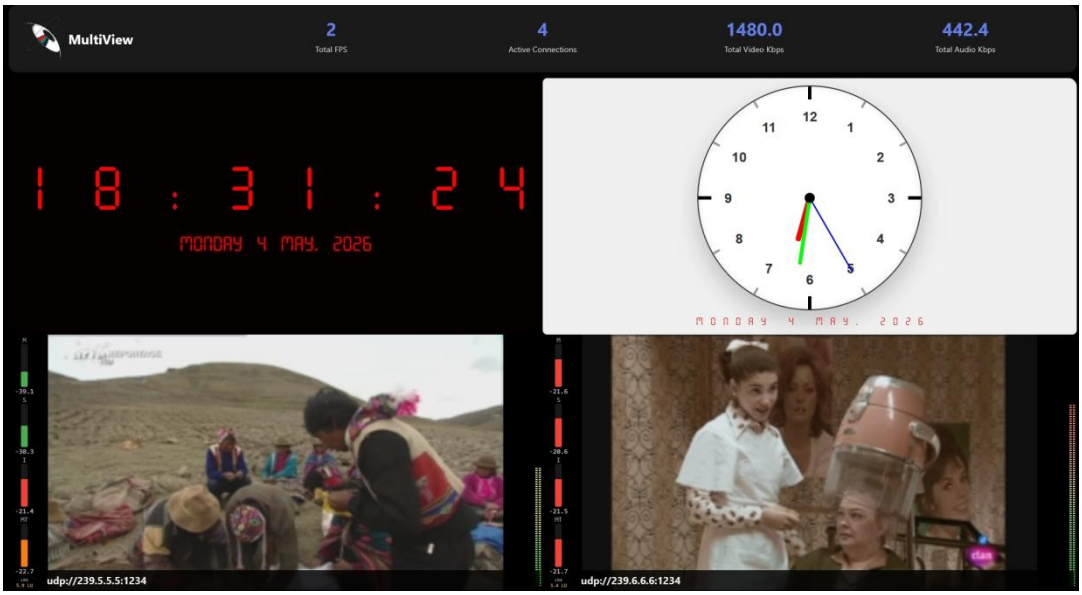
☑ Live monitoring [2]
☑ Jerkiness monitoring
☑ Loudness monitoring
☑ Optimal bitrate determination [4]
☑ Video encoders benchmarking and comparison [4]
☑ Video processing optimization [4]

[1] Hardware (PC) may be supplied as an option

[2] For video monitoring, also see our other product Video Quality Monitor

[3] Uncompressed video must be the result of HEVC, H.264 or MPEG-2 decoding

[4] Also see our other product Video Quality Analyzer



MultiView is a browser-based solution that lets you view and monitor video streams, audio streams, and subtitle streams from any machine on your network.

It can run on a single machine or be distributed across several machines, making it suitable for monitoring anything from a handful of channels to very large infrastructures.

MultiView is built around three components: a Manager (your browser interface), one or more Probes (which handle stream management), and an Agent per Probe (which handles decoding).

This architecture is resilient by design: if a decoder crashes, only the Agent is affected, and the Probe restarts it automatically without interrupting monitoring.

For each stream, MultiView delivers a rescaled, real-time preview in fragmented MP4 format, so you can both see and hear your programs live in the browser.

You can display your streams in a mosaic view or a list view, with multiple mosaic variants (normal, compact, minimal) and a graphical editor to design your own layout.

MultiView measures perceived video quality and perceived audio quality without any reference signal, along with blockiness, blur, contrast, and jerkiness.

It also detects black, red, green, and blue frames, video and audio signal loss, incorrect frame rates, silences, saturations, and video and audio bitrates.

Audio loudness is measured according to the ITU BS 1770-2 and EBU R128 recommendations, as required by the CALM Act.

On the transport stream side, MultiView monitors TR101290 errors, SCTE-35 markers, and Inter Packet Arrival Times (IPAT), and supports both SPTS and MPTS over UDP, RTP, and HLS.

When a user-defined threshold is crossed, MultiView sends alerts via email, SNMP, or Microsoft Teams.

All measurements are saved to disk, can be visualised as curves and statistics over any chosen time range, and can be exported to CSV files for reporting.

Take the lead in the race for quality

AccepTV
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AccepTV
Perceived Video Quality Metrics

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Key features

Perceived video quality measurement and bitrate measurement

MultiView measures the perceived video quality of your streams on a scale from 0 to 100. It also measures the bitrate of any frame (instant bitrate) and the mean bitrate.

Integrated web server and database

MultiView saves all measured data on disk and includes its own web server so you can remotely:

- consult the results from the database
- get monitoring statistics between two dates and times
- generate quantitative and detailed quality analysis reports
- export results in CSV files

Loudness and audio quality measurement

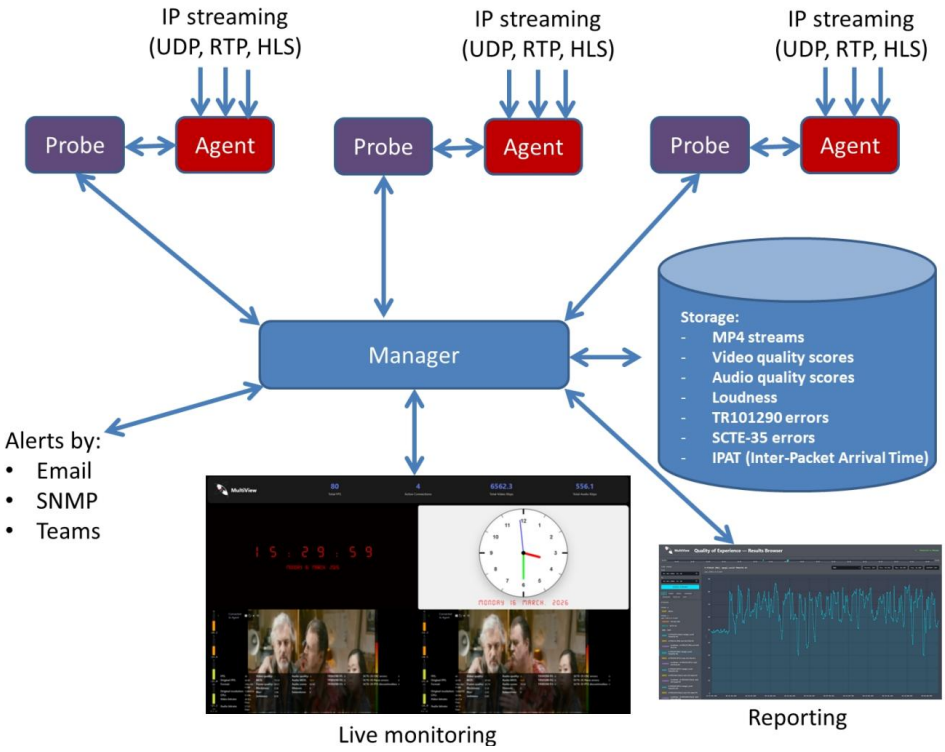
MultiView enables to measure and monitor audio quality, audio bitrate and loudness according to international recommendations ITU BS 1770 and EBU R128.

Open architecture

Do you have a new feature that you would like to see in MultiView? Let's discuss about it. We can certainly implement it.

Ask for a free evaluation version now!

Principle



Features

Input
UDP, RTP, and HLS IP streaming protocols supported
SPTS (Single Program Transport Stream) and MPTS (Multi Program Transport Stream) support
Video, audio, and subtitle streams handled simultaneously
Deployable on a single machine or distributed across multiple machines

Viewing
Browser-based interface
Real-time stream preview in MP4 format (video + audio) or image-only mode to avoid re-encoding
I-frame-only decoding option for reduced CPU usage
Configurable frame interval (e.g. one frame every N seconds)
GPU encoding/decoding support
Mosaic view with normal, compact, and minimal variants
List view as an alternative to mosaic
Graphical mosaic editor for custom layout design

Monitoring
Perceived video quality measurement, without reference
Perceived audio quality measurement, without reference
Blockiness, blur, contrast, and jerkiness detection
Black, red, green, and blue frame detection
Video and audio signal loss detection Incorrect frame rate detection
Silence and saturation detection
Video and audio bitrate monitoring
Audio loudness measurement (ITU BS 1770-2 and EBU R128 / CALM Act compliant)
TR101290 error detection on transport streams
SCTE-35 marker detection
Inter Packet Arrival Time (IPAT) monitoring

Alerts
Email alerting
SNMP alerting
Microsoft Teams alerting
User-defined thresholds with configurable duration before triggering

Reporting
All measurements continuously saved to disk
Curves, statistics, and raw values retrievable for any time range
CSV export of all measurement data
Email alerting

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