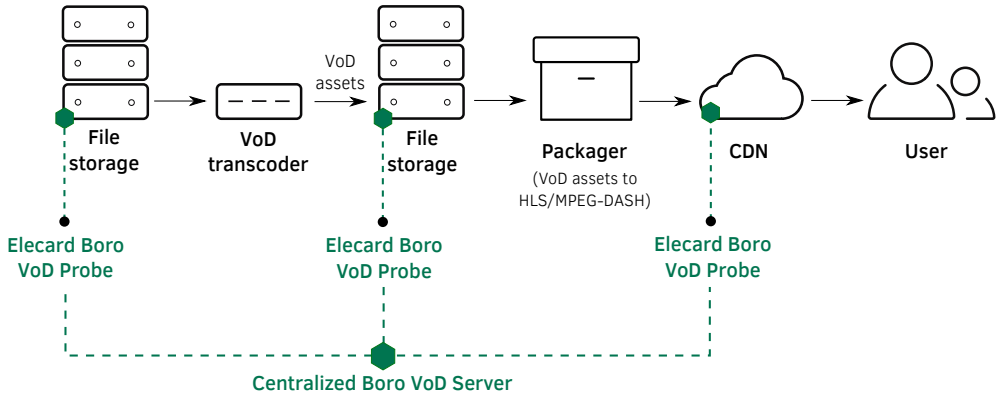




Elecard Boro VoD

Solution for automated quality control of VoD content.



Application

- Streaming services
- TV channels
- Content providers
- TV/OTT broadcasters

Key features

- Comprehensive quality control and verification of container, video, and audio
- Pre-defined compliance templates, simple template generator
- Detailed report for each file in the Web interface. Export reports as PDF, JSON, CSV files and download or send them via email, Webhook
- Intuitive Web interface
- API for full control and integration with production and management workflows
- Quick deployment on Linux environment
- Easy scaling with client-server architecture: a cluster of Boro Probes analyzes media storages, a Boro Server manages Probes, collects statistics and stores QC reports
- Flexible licensing for projects of any size



Elecard Boro VoD

Parameters of QC templates

Container level:

- File size
- Container format
- File duration
- Audio and video formats
- Number of audio and video tracks
- Timestamp discontinuity
- Audio and video duration mismatch

Video codec level:

- Video parameters: profile, level, resolution, chroma format, frame rate, aspect ratio, bit depth, scan type and order, CBR/VBR bit rate, GOP length and type, color gamut, HDR type, etc.
- Video quality: decodability error, video freeze, black frame, constant-color frames, color bars test pattern, damaged frames, etc.

Audio codec level:

- Audio parameters: profile, sample rate, bit depth, bit rate, number of channels, language, etc.
- Audio quality: decodability error, audio silence, programme loudness, momentary loudness, short-term loudness, loudness range, true peak level, etc.



Closed Captions, Subtitles**:

- Timestamps discontinuity, language, etc.

SUPPORTED FORMATS

Containers	MP4, MOV, MPEG-2 TS*, HLS*, MPEG-DASH*
Video codecs	MPEG1/2, AVC/H.264, HEVC/H.265
Audio codecs	MPEG Audio, AAC
Closed captions, subtitles**	CEA-608, CEA-708, DVB subtitles, Teletext

* - next release ** - future releases