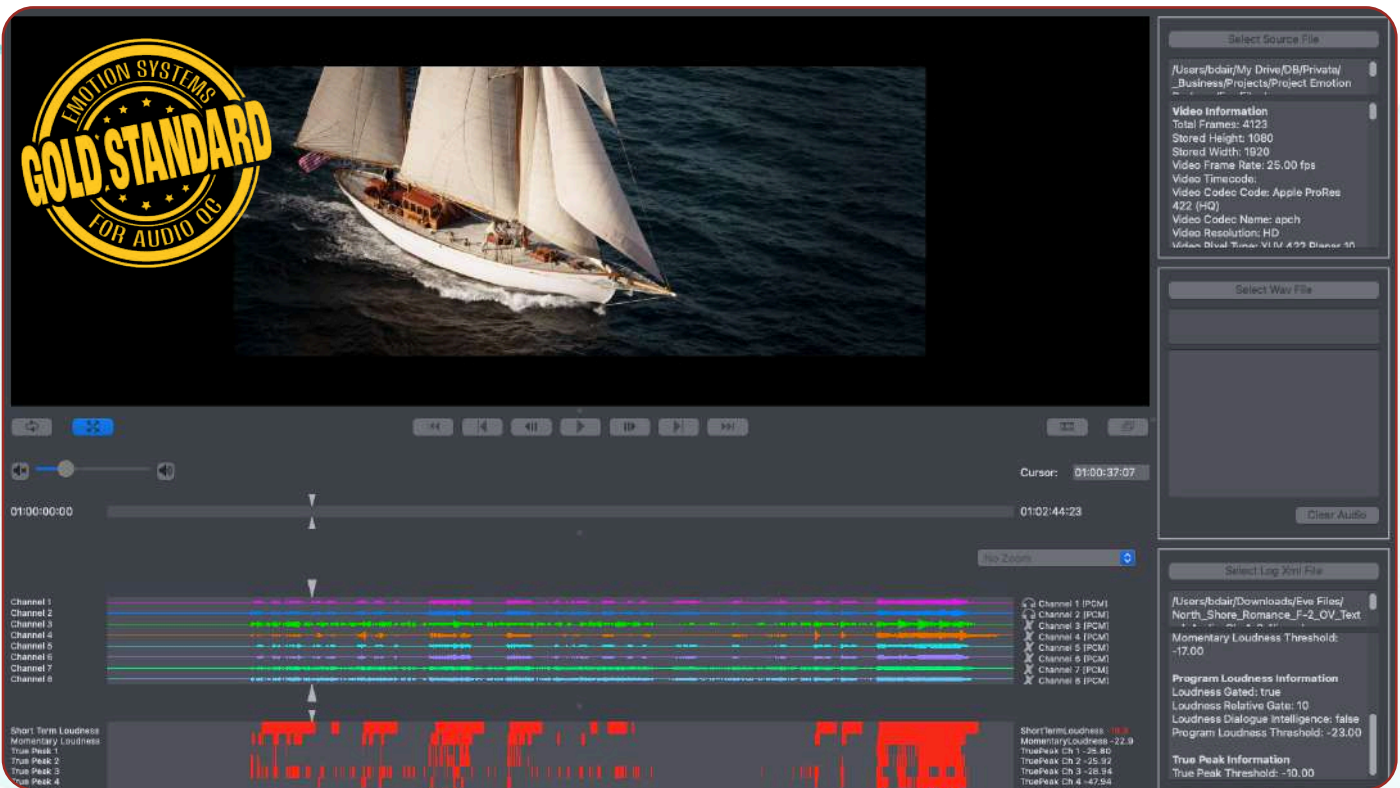
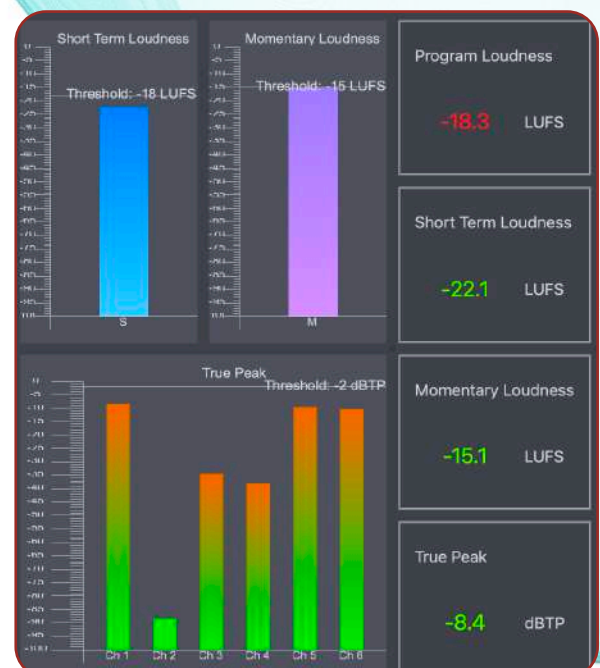


## Emotion Verification Engine - A media player with an audio focus



**Emotion Verification Engine (Eve)** is a software product that displays broadcast-ready files in native resolution. Also, Eve can display loudness errors for PCM audio and various Encoded audio formats. The software assists human QC by showing all audio information within your files and content.

- Displays video and audio content information
  - Video (native resolution)
  - Audio waveforms
  - Audio meters
  - Decoded audio
  - Listen to any combination of audio and mixes (balanced, surround, additive, binaural)
- Comprehensive metadata display
- Measurement errors are displayed on dedicated timelines with the ability to navigate to any errors.
- Adjustable audio, video, and graph display
- Can display all worldwide loudness measurement standards, including:-
  - Program Loudness, short-term & momentary
  - True Peak
  - Loudness Range
  - All Legacy PPM, VU Metering, LeqA & LeqM





	Eve	Eve+
Video	✓	✓
Mov	✓	✓
MXF	✓	✓
WAV	✓	✓
Transport Stream	✓	✓
IMF	x	✓
Audio Waveforms	✓	✓
64 Channel	✓	✓
External WAV import	✓	✓
Encoded audio display	x	✓
Dolby E	x	✓
Dolby Digital	x	✓
Dolby Digital Plus	x	✓
AAC in MP4	x	✓
Metadata	✓	✓
Loudness XML Import	✓	✓

## Metadata

### Video Information

- Total frames
- Height/Width
- Frame Rate
- Timecode
- Video Codec
- Resolution

### Audio Information

- Number of Channels
- Number of Streams
- Sample Rate
- Bit rate
- Audio duration

### Stream Information

- PCM or Encoded Audio
- Channel labelling (L, R, C, LFE, Ls, Rs)

### Container Information

## Video

Supports broadcast standard file formats:

- MXF
- MOV
- Transport Stream
- IMF

Display Video in Native Resolution ability to display SD, HD, 4K and UHD broadcast standard files.

Pop-out window for Dual Monitors allowing users to assess video quality on a separate monitor to the audio.

5-frame Proxy view

## Audio

64 channels of Audio

### Audio Waveforms

Allows the operator to visually verify if there is audio or silence in the file.

### Display Encoded channels

Allows the user to visually inspect and verify the presented channel layouts (5.1, Stereo, Mono).

### Display encoded audio

- Dolby E
- Dolby Digital
- Dolby Digital Plus
- AAC inside MP4

### Flexible audio monitoring

Eve can playout individually on any number of selected channels.

## Summary

### Containers/Formats supported:

BWAV, WAV, QT MOV, TS, MXF & MP4

### Audio formats supported:

- Mono, stereo, 5.1, and further surround formats
- Dolby E
- Dolby Digital
- Dolby Digital Plus

### Audio sample rates supported:

44.1kHz, 48kHz

### Audio bit depths supported:

16bit, 24bit

### Frame Rates Supported

23.98, 24, 25, 29.97, 30

### Loudness measurements:

Export a loudness XML from Eff or Engine. This can then be loaded into Eve alongside the relevant source files.

### Platforms supported:

Windows 10/11, Server 2016/2019/2022.  
Mac OSX 10.8 onwards.