

AUTOMATED QUALITY CONTROL, File based or live media QC and monitoring software with full logging facilities and library management

- ▶ **SD & HD media files in most formats & TV standards**
- ▶ **Batched operation of any number of sources**
- ▶ **Log reports with timecode and thumbnails**
- ▶ **Video, audio, surround sound parameters**
- ▶ **Monitors pictures, waveform and data**
- ▶ **Drag & drop or watch folder file operation**
- ▶ **Sequential schedules for media files**
- ▶ **Metadata decoding & logging**
- ▶ **Full results automatic emailer**
- ▶ **Checks for broadcast illegal gamut**
- ▶ **Checks for letterbox, pillar-box**
- ▶ **21+ different video checks performed simultaneously**
- ▶ **Can accept live source & IP feeds**
- ▶ **Option for PSE Flashing testing**

Reel-Check is a suite of Windows programs that run on a standard PC without special hardware. It performs a complete set of quality control tests on any audio/video media content. The software is designed to operate either automatically or be run under direct user control and can be used as a networked facility.

Reel-Check can work with all professional video formats including uncompressed component types or RGB 4:4:4, standard and high definition format, in most any compression scheme can be checked, subject to a suitable Codec being available. Embedded audio, stereo or multi-channel surround-sound, can be extracted and checked alongside the video for audible or visual impairments on a frame by frame basis.

The product is capable automated checking ingested or finished file content on local or network drives. A watch folder facility allows any network user with access to the folder the ability to queue a programme for test. Reel-Check has a scheduler of tasks that interactively manages the overall function and summarises the eventual results.

The user can set a table of the test parameters and tolerances, and any excursions outside these defined limits are logged with associated timecodes and detail notes. Also a thumbnail image at the time of detected events can be inserted in the RTF-formatted log.

The log file for each item is stored on the Reel-Check's host computer for subsequent scrutiny or printing. Optionally, these can be sent automatically as email attachments to whoever needs to see the results. Reel-Check logs can be easily further edited in 'Word' or any other common word processor as required. There is also a summary log generated with all the pass/fail results from all the items in the schedule's batch.

As well as standard video and audio measurements, a series of additional parameters can be checked as the need arises. It can parse associated metadata linked to a media file and check its accuracy against the content. Running times, aspect ratios, sound formats and so on can be confirmed, with the results reported back.

Reel-Check uses highly sophisticated image processing algorithms and audio analysis engines. Each test can be enabled or disabled by the user from a simple menu. The tests can either be applied globally to all sources in the schedule or individually set for each item.

Reel-Check is not intended to report the MPEG's or other compressed formats' numerical or protocol analysis. It does check for visual impairments in baseband-decoded video and audible problems due to poor encoding, degradation or originating from the encoded source content.

VIDEO CHECKS

- ✓ Gamut checks
- ✓ Black frames
- ✓ APL Average Picture Level
- ✓ Blocking artifacts
- ✓ Stuck frames
- ✓ Odd Frames
- ✓ Cuts detection
- ✓ Quantisation
- ✓ Noise
- ✓ Focus
- ✓ Pixel format
- ✓ Letter Box detection
- ✓ Pillar Box detection
- ✓ White Balance shifts
- ✓ Colour Bars
- ✓ TC discontinuities
- ✓ Interlace Present
- ✓ Half Lines
- ✓ Aspect ratio
- ✓ Monochrome
- ✓ Picture Shifts
- ✓ Pixel Format Checks
- ✓ Flashes *

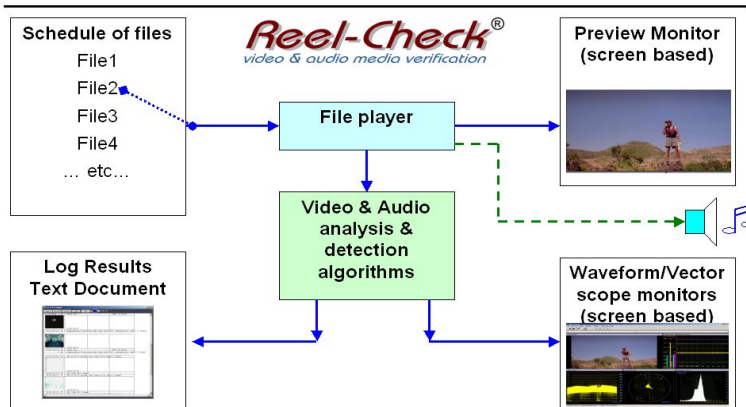
AUDIO CHECKS

- ✓ Over Loud
- ✓ Silences
- ✓ Out of Phase channels
- ✓ Stereo balance
- ✓ Audio format
- ✓ Tone detection
- ✓ Hum Detection
- ✓ Click detection

Live Displays

- ✓ Video Waveform
- ✓ Video Vectorscope
- ✓ Luminance Histogram
- ✓ YRGB Histograms
- ✓ RGB Parades
- ✓ YUV Parades
- ✓ Gamut Display
- ✓ Picture Monitor
- ✓ RGB Images
- ✓ Luminance only (mono)
- ✓ Chrominance Only
- ✓ Audio bar levels
- ✓ Audio waveform 1- 16 chan
- ✓ Audio 'vectors' phase
- ✓ Audio phase balance
- ✓ GMO Surround Sound
- ✓ Audio Spectrogram
- ✓ Alarms
- ✓ Logging

Reel-Check basic operation when logging



Typical Applications

- Quality Control
- Broadcasters' compliance and standards
- Media asset management
- Reviewing media file inventories and manifests
- Ingest facilities
- Rushes evaluation
- Playout, transmission or streaming
- Post Production
- Archive management
- DVD creation, manufacturing and distribution
- Pre/post colour correction
- Live feed / broadcast monitoring
- Equipment test, manufactures, CCTV, etc.

File Types Supported (subject to Codecs on PC)

As standard

AVI
WMV
MOV
MPG, M2V, M2T
VOB
FLV (adobe flash)
CineForm
MXF
IMX50
Mpeg4, H264, VC1

With options

QT, MOV IMX30
MXF extended types
GXF
OMF
DPX
etc...

Reel-Check is supplied on a USB memory dongle, which also contains the system licence.

Option -E for Extended file types, * Option -F for PSE Flash testing

www.reel-check.com

For More Information or Demonstration Contact Hamlet Sales



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