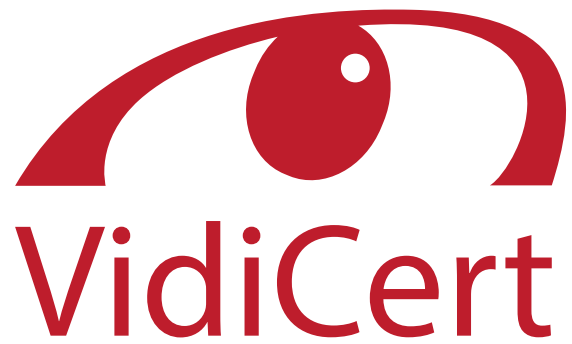


VidiCert Video Essence QC

Efficient file-based essence QC
... the world's first to enable job-time optimisation!



Digitisation
Ingest Delivery
Essence
QC Production
Migration



VidiCert for Essence QC



Cost reduction via high degree of automated video defect detection

VidiCert Essence QC with its specialised audiovisual defect detectors, its functions for video content checking, and its standardised metadata format provides unique functionality not available in container and bitstream QC systems.

Task

Essence QC is traditionally a manual, time-consuming and hence costly process.

Benefits

VidiCert automates video essence defect detection and optimises the verification process.

Capabilities

VidiCert can detect more than 20 defects. Customer-specific issues can be resolved using tailored detectors.

Integration

VidiCert fits into existing workflows and permits the integration of other QC engine results into a single user interface.

A Word from a Customer



The advantage for the ORF is the speed at which the video defect detection is completed and the reduced time for operator intervention. Of particular interest was the job-time optimization – enabling us to trade-off human effort against verification accuracy.

Christoph Bauer, ORF Archive



We integrated VidiCert seamlessly into our existing workflows. JOANNEUM RESEARCH additionally implemented a purpose built line dropout detector inside VidiCert that is able to find signal dropouts with sub-line runtime in video files to solve our specific issues.

Roman Meßmer, ORF Technical Conception



Customer Scenarios



Archive

- Detect and avoid VTR and film scanner problems
- Guarantee consistency between video content and its MAM metadata
- Ensure compliance to archive quality standard during digital master ingest
- Select archived content for re-use by audiovisual quality and content properties



Production

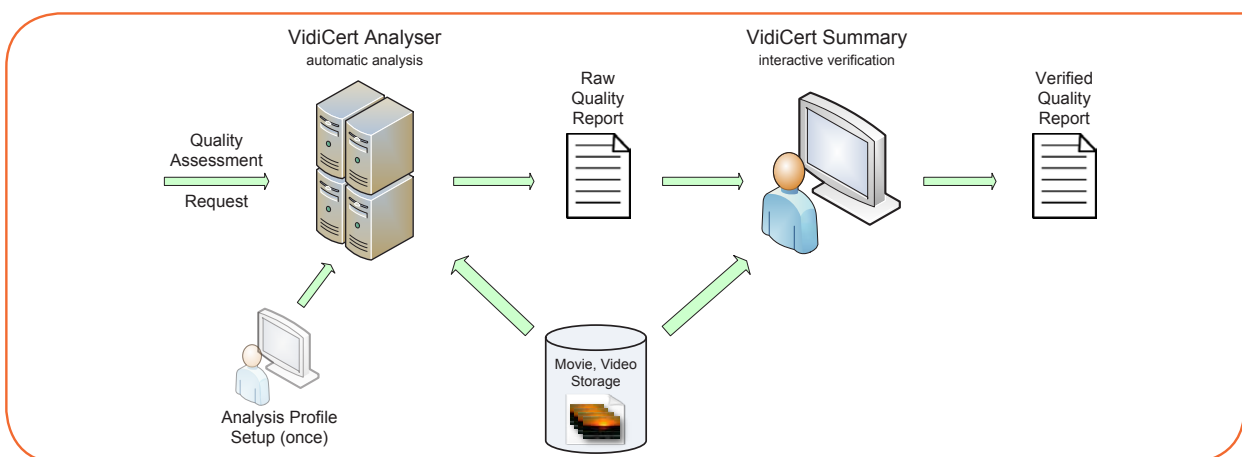
- Select rushes and dailies by audiovisual and content quality
- Ensure essence quality at ingest for broadcasters
- Assess essence quality in video and movie post-production
- Estimate restoration effort



Delivery

- Check audiovisual quality before playout and web delivery with minimum time and hardware resources
- Select web video by audiovisual quality

How it Works



VidiCert is a software based solution enabling significant automation of audiovisual essence (baseband) quality assessment in a two-step approach. In the first step video or movie essence is analysed fully automatically in regard to audiovisual defects and properties, e. g. video breakup, block dropout, blurriness, noise or silence. In the second step, verification of the gathered information is done by a streamlined user interface enabling job-time optimisation.

VidiCert offers efficient verification of both the audiovisual technical quality, and the correctness and completeness of the video content. The result is a human verified quality report described in the standardised MPEG-7 format.

JOANNEUM RESEARCH

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FURTHER INFORMATION

JOANNEUM RESEARCH
Forschungsgesellschaft mbH

DIGITAL
Institute for Information and Communication Technologies

Peter Schallauer

Steyrergasse 17
A-8010 Graz
AUSTRIA

Phone +43 316 876 1202

email: sales@vidicert.com

www.vidicert.com

