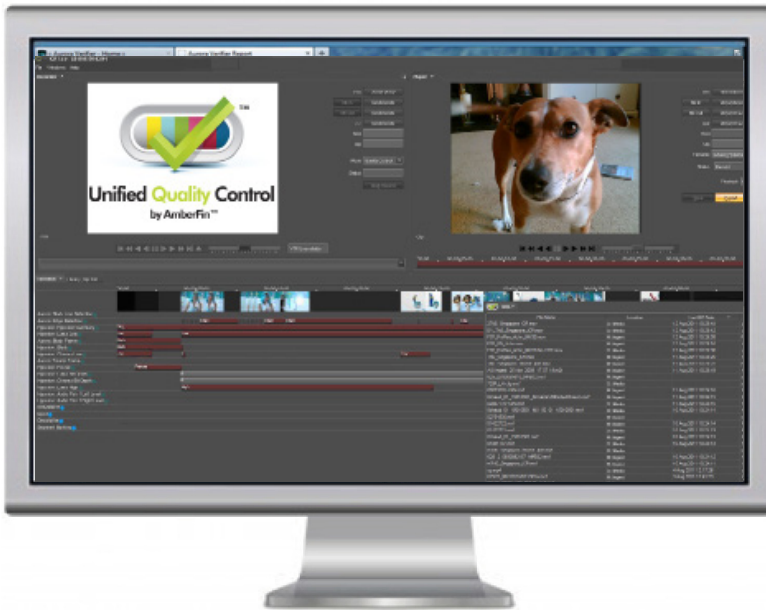


Aurora integration with Dalet



Introduce new levels of trust and confidence in your media through Tektronix Aurora native integration into Dalet UQC – Unified Quality Control

The explosion in file-based workflow means traditional manual methods of quality control are no longer effective. With tens or even hundreds of deliverables needed for each media asset, human operators using traditional video and audio test equipment struggle to cope without help. The native integration of Aurora within Dalet UQC and the Dalet AmberFin ingest and transcoding platform means that users have the potential to create a high quality file-based HD/SD master, provide unique file conversion to multiple formats and implement appropriate levels of automated and manual quality control, all within a single unified software environment.

All aspects of QC can be integrated into a single unified timeline based environment. The unified timeline gives an accurate and easy to use display of potential issues of any kind: simple video and audio problems, file wrapper anomalies, artifact detection, Harding and loudness violations and potential content editorial issues. QC processes can be made at any point in the lifecycle of an asset using the most appropriate technique.

Due to the unrivalled QC speed, accuracy and ease of integration, Aurora is a popular choice by customers for Dalet AmberFin solutions.

Dalet AmberFin

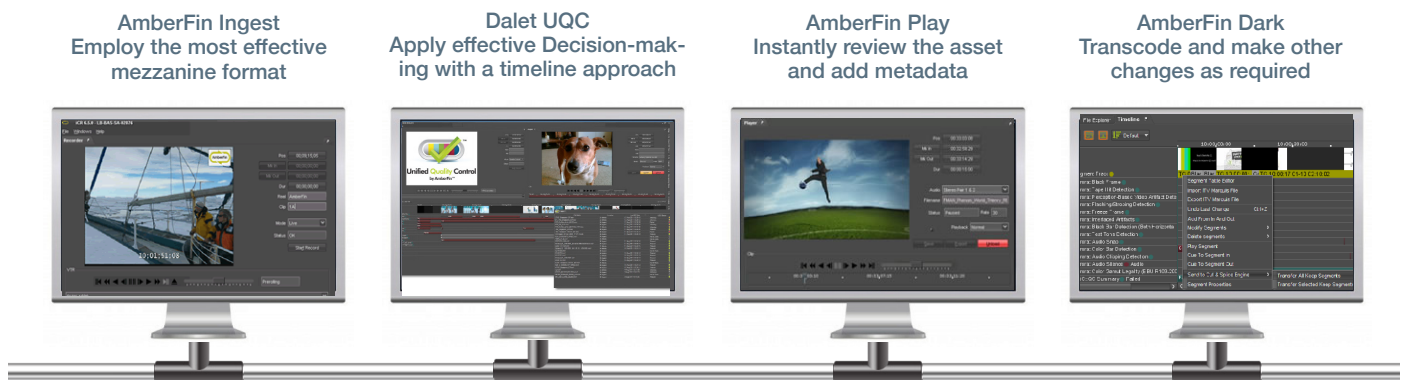
Dalet AmberFin is a high-quality, scalable transcoding platform with fully integrated ingest, mastering, QC and review functionality, enabling facilities to make great pictures in a scalable, reliable and interoperable way. AmberFin software runs on cost-effective, commodity IT hardware that can adapt and grow as the needs of your business change. Whether you need a single application specific product or a large-scale enterprise-class transcode farm, AmberFin software is built upon unique technology that ensures your media assets retain the highest quality.

Aurora

Visual artifacts that can be detected by Aurora include Macro-block Noise/Cloud, Up-conversion, Comb Artifacts, Field Order Swaps, Tape/Digital Hits, Perceptual & Film Artifacts, Black/Freeze Frames, Letter-boxing/Pillar-boxing, Color Bars, PSE/Flash Detection, and Cadence Change. Audio artifacts that can be tested include Silence, Drop-outs, Peaks (dBTP, PPM, dBFS), Average Levels (R128, ATSC, ARIB), Clipping, Snaps/Clicks/Pops, Test Tones, Phase Swaps and Hiss/Hum.

Aurora integration with Dalet UQC

Solution Architecture and Workflow Overview



The Dalet AmberFin platform enables you to differentiate your service by ensuring best picture quality and ultra-high quality encoding. A wide choice of codecs, including J2K, ProRes, DNx and AVC-Intra, ensures you can employ the most effective mezzanine format for your workflow. Growing file support and the ability to write directly to shared storage dramatically reduces workflow latency while flexible Captioning support offers further time savings.

Dalet Unified Quality Control (UQC) enables more effective decision making through a single timeline approach. Native integration with Aurora combines automated processes with a human touch, introducing new levels of trust to media QC. Graphically represented reports aid operators to easily identify the position and nature of errors while machine readable XML reports are available too.

Aurora VUs (verification units) are installed on separate standard IT hardware servers, blades or fully virtualized infrastructure. The quantity of VUs installed and the number of

servers depends on the number of concurrent QC tasks and the speed of QC analysis required.

When Aurora / UQC has completed the specified Test Plan, AmberFin Play enables operators to instantly review the asset, monitoring of all media properties through a single interface with high quality, frame accurate, HD-SDI playback, full Closed Captions and ancillary data support and flexible audio monitoring. Embedded tools and plug-ins for metadata entry and review, simple mark-up, editing and segmentation increase operator efficiency.

Adding UQC to the AmberFin Dark enterprise transcode system creates even greater trust in you assets. Aurora QC checks can take place concurrently with the transcode operation even within a large-scale transcode farm providing high quality results with very low latency in fully automated environment.

Contact Us

For complete information and sales contacts, go to www.tektronix.com/file-based-qc.