

Aurora integration with Blue Lucy BLAM



Aurora file-based QC integrated within the Blue Lucy BLAM - the straightforward and user focussed complete asset management and workflow orchestration solution

The Blue Lucy Asset Manager (BLAM) provides a complete asset management and workflow orchestration capability in a structured and uncomplicated manner. BLAM offers a straightforward, user focused approach to metadata handling and asset management to enable simplified operations for production, content publishing and archiving. Content quality assurance is integral to BLAM: as standard all imported file based content undergoes a rudimentary integrity check to ensure the material conforms to recognised material standards. This may be further enhanced by adding more detailed quality assessment using file based Quality Control (QC) plug-ins. Tape based QC is afforded by the Blue Lucy VTR Monitoring plug-in.

Aurora is the automated file-based QC software that is integrated within the Blue Lucy BLAM solution to identify any visual, audio or metadata issues with the media files. The Tektronix focus on minimising false positives and a high degree of correlation to human perception means that our test reports highlight just the issues you need to address. Our architecture delivers guaranteed QC capacity and unrivalled speed of QC analysis. All QC test results can be seen from the familiar BLAM user interface, with the BLAM Baseband Video player supporting visual review of any reported issue.

Blue Lucy

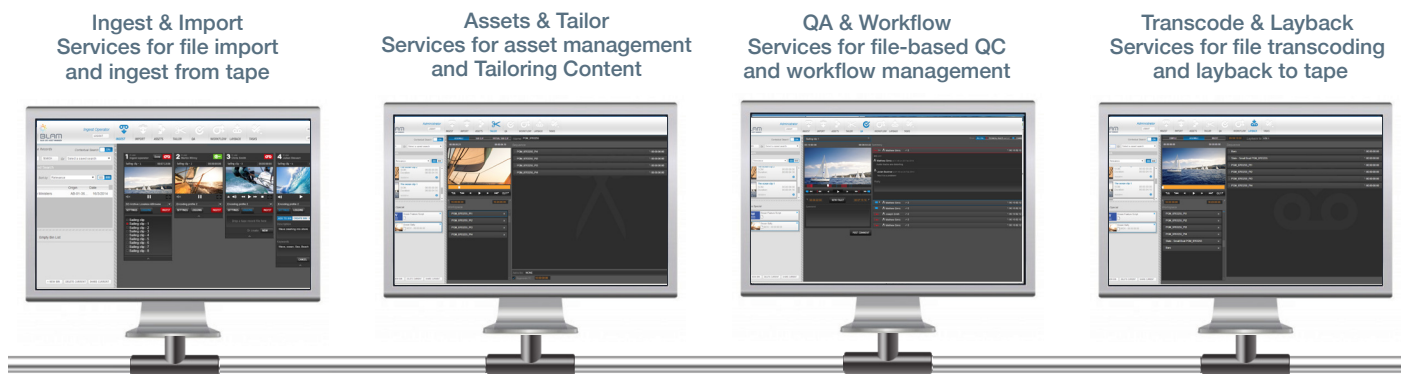
Blue Lucy is a software development leader in the field of media production workflow modernisation. Blue Lucy produces service orientated software tools for content asset management, workflow orchestration and video processing that enable broadcasters and content producers to confidently migrate to entirely IT based environments. Blue Lucy design, build and implement advanced video and audio signal processing software and content management tools for business in the media & entertainment sector, banks and other non-media industries.

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 Blue Lucy BLAM

Solution Architecture and Workflow Overview



BLAM includes services for importing files and ingesting from tapes. The Ingest Service provides the highest quality linear video acquisition for multi-format baseband material. The service enables universal ingest for production, archive or playout. The software service provides the capability for the simultaneous creation of multiple, independently written and frame locked, media files. Typically for the simultaneous creation of a master, preservation and browse file formats.

Once ingested or imported BLAM provides services for managing the assets and for tailoring them. The Blue Lucy Tailor Service provides near instantaneous, seamless cutting and splicing of any video and audio material stored in a compressed format. Tailor delivers file sub-clipping and concatenation without decompressing the source essence which means no rendering, processing delay or loss of quality from source to target. Operating on a large range of formats such as AVC stored in .mxf, .mov, MP4 or .avi containers.

BLAM includes a workflow orchestration layer, including the placement of QA services.

Automated QA (performed as a background service by Aurora) is complemented with manual review using the Blue Lucy Baseband Player service. This maintains play head positional information to allow frame accurate annotations to be manually captured. If the operator needs to focus on reported errors only, then the player provides the capability to skip through the file to segments which have been flagged. The player timeline may be pre-populated with markers highlighting errors, reported against time-code, from the Aurora system or from the VTR channel condition status captured during ingest.

Finally BLAM supports file transcoding or frame accurate layback of the content to tape. The Transcode Service provides the highest possible image quality for all common essence and container formats.

Contact Us

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