Aurora integration with Pronology

Aurora file-based QC integrated within the Pronology digital asset management solution - helping make the move to the tapeless world painless and economically successful

The promise of "tapeless" has been in the air for a very long time. Adopting new technology and moving to a tapeless world though can be a confusing process and involve painful learning curves. Pronology is a digital asset management solution that has been designed by video professionals and specifically built from the ground up to work the way people work, and not force users into an unfamiliar uncomfortable way of operating. Every aspect of the Pronoogy solution is designed with easy of use in mind and to make the transition to tapeless as painless and economical as possible. This solution includes Aurora from Tektronix for the application of file-based QC at acquisition, distribution and archive.

Aurora is the automated file-based QC tool that you can rely on to place in your Pronolgy workflow to identify any visual, audio or metadata issues at ingest and before playout. 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, presented to the user in the familiar Pronology interface. Our architecture delivers guaranteed QC capacity and unrivalled speed of QC analysis to meet the demands for whatever your size of media operation and Pronology system deployed.
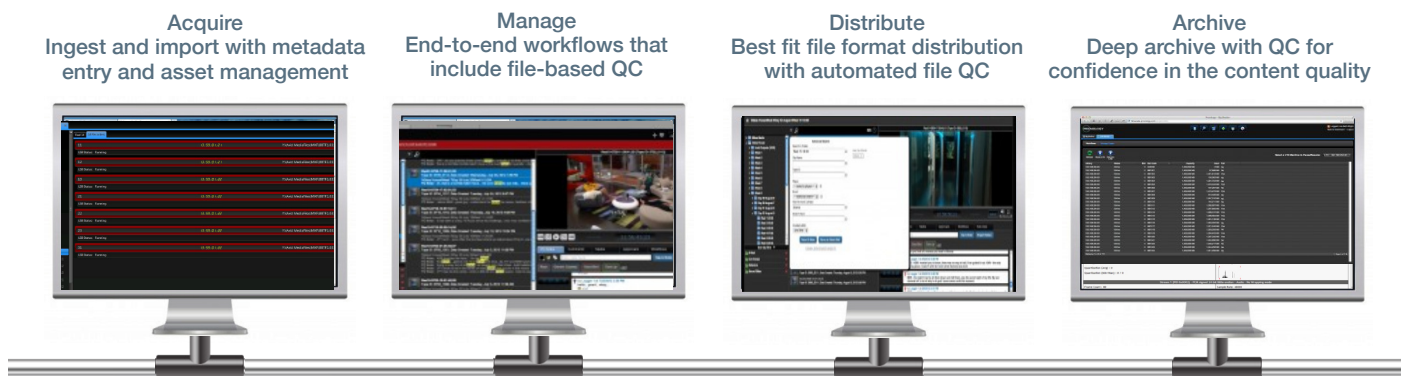
Pronology

Pronology is a leading-edge provider of technological solutions focused on workflow; that is, how people use the new tools in what can otherwise be a very confusing world. Pronology uses the latest and most reliable technology to allow customers to move into this new world without the pain and learning curve that can be part of a transition of this magnitude. Pronology provides the tools and know-how that allows clients to fully maximize the benefits of a tapeless environment, designing tools that work for people, not the other way around.

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.

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Solution Architecture and Workflow Overview

Acquire
Ingest and import with metadata entry and asset management

Manage
End-to-end workflows that include file-based QC

Distribute
Best fit file format distribution with automated file QC

Archive
Deep archive with QC for confidence in the content quality

Pronology ProApp manages assets at the very beginning of the process, enabling you to enter metadata before ingest and organize your assets through the use of a custom Ingest Controller. The easy to understand structure makes the operator's job simple. ProApp contains an integrated file import utility to simplify importing content from ENG, remote recordings, ftp, etc. Its modular system is hardware agnostic, supporting ingest from leading NLEs and devices. Incoming and created files can be QC checked to capture issues early.

Pronology's digital asset management system, with a unique and flexible workflow engine, manages end-to-end content creation and distribution processes to provide traditional asset management features including archiving with metadata support, large file uploading, video sharing, automated transcoding, and software QC. Accessible as a hosted model or through a SaaS, the feature-rich, modular structure flexibly scales to any size production environment to fit your specific workflow needs.

For automated QC Pronology uses Aurora whose verification units (VUs) are installed on 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. One or more Aurora Controllers are installed to manage QC job queues, allocating QC tasks to the next available VU instance. Each VU tests one file at a time with dedicated CPUs and GPU acceleration for guaranteed QC capacity.

Pronology is file format agnostic, supporting "anything in and anything out". Pick the format that best suits your needs, and Pronology will deliver your content in any format to any destination, with automated file-based QC ensuring the quality of the file. Pronology will also support the deep archiving of your media, securely storing the files in a variety of ways, including LTO backup and live real-time access. Archived files can be QC checked before archiving or at retrieval to give you confidence in your stored media.

Contact Us

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