

Aurora integration with 1 Beyond LTO NetDrive



Aurora file-based QC integrated within the 1 Beyond™ Wrangler LTO NetDrive® archiving appliance for cost effective archiving, review or restore from LTO 5/6 digital tape

LTO tape is used for both archiving and for content delivery between organizations, but accessing content on the LTO tapes can be time consuming and expensive using full scale hierarchical storage solutions often with robotic tape libraries. A cost efficient and easy-to-use solution is required to enable operators to review, off load to, and upload content from LTO drives in the field or in the edit suite..

The 1 Beyond™ Wrangler LTO NetDrive™ is a unique, innovative and cost effective solution for video professionals who want to archive, review or restore to or from LTO-5/6 digital tape (using the new LTFS file system), on set, in the field or in editorial. The process is automatic using the Award-Winning 1 Beyond Wrangler Auto Duplicate and Verify software and universal using a standard Ethernet connection to attach to host system or use standalone.

Aurora is the automated file-based QC software that you can rely on to place in your Wrangler LTO Netdrive® solution to identify any visual, audio or metadata issues with the media files as they are offloaded from the LTO or before they are uploaded to the LTO. 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.

Custom programming is available from 1 Beyond for networks looking to standardize on LTO for program/footage delivery. The NetDrive with Aurora can be used to automate the QC process of incoming footage on LTO.

1 Beyond

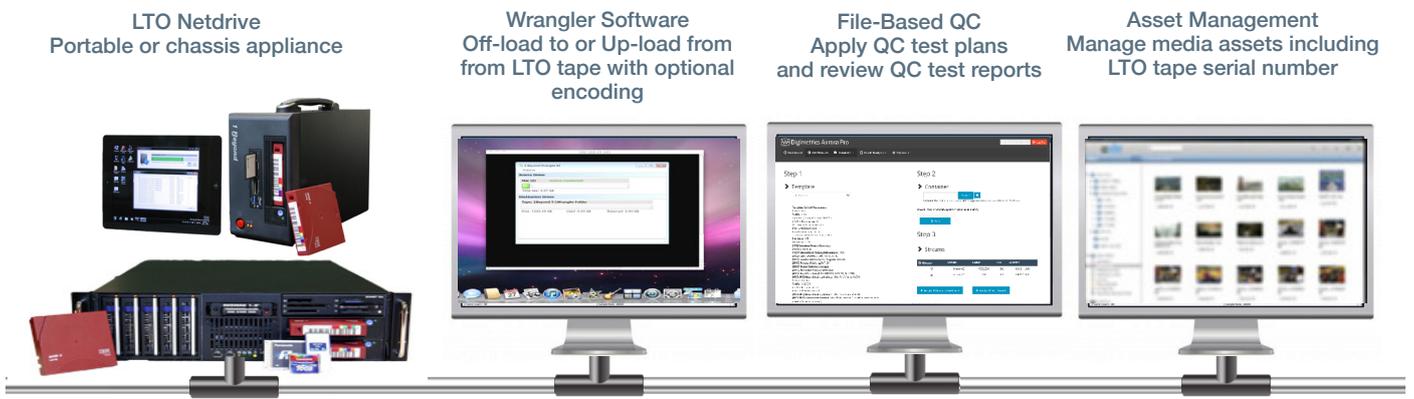
1 Beyond designs and manufactures purpose-built professional video systems for all aspects of the workflow from production through post, streaming, media asset management and archiving as well as SAN storage. 1 Beyond has provided solutions to major motion pictures, documentaries, commercials and episodic productions. 1 Beyond reputation is for innovation, ruggedness and high reliability at a fraction of the cost of traditional high-end systems and their value leadership is due to constant technical innovation including 16 years of video industry firsts.

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



Available either in the portable appliance or a rackmount chassis, the Wrangler LTO Netdrive™ solution makes accessing, reviewing, up and off-loading, encoding and quality checking media on LTO 5/6 tapes efficient and cost effective.

Archive to tape can be performed over the network from a client workstation using an application on the Netdrive that automatically queues files and copies them to tape. Alternatively the NetDrive can be used stand-alone without a host system using Wrangler software. Connect external storage (or network-attached storage) directly to the NetDrive and back up data to directly to tape with LTO-6 data transfers at 140-160 MB/sec.

The Wrangler LTO Netdrive is provided with built-in Media Players for reviewing video, connected to a DVI or HDMI 2D or 3D monitor independent of any host computer. The internal high performance processor is capable of playing back compressed or uncompressed video for review.

Manually up-load files from the LTO to the local drive or automate the process with the Wrangler software. Simultaneously off-load media from a Mac or PC to the LTO drive and shared storage on the network, while registering it with the database to keep track of all media and what has been backed-up.

The LTO Netdrive solution features an Automated QC using the Aurora software. Aurora VUs (verification units) analyze the files with Aurora Controller providing access by Aurora web clients for setting-up QC tests, monitoring QC task progress and reviewing QC test reports. Multiple VUs can be installed, with each VU testing one file at a time with dedicated CPUs and GPU acceleration for guaranteed QC capacity.

The LTO Netdrive solution has a built in asset management software that enables editing and adding of metadata. The serial number of the LTO tape to which files have been up loaded is automatically stored in the metadata so that the content can be easily located in the future.

Contact Us

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