ALTERAN
TECHNOLOGIES

Affordable, Scalable Video Encoding for Digital Archives & Asset Management

- Automatic and robotic video capture
- Multi-format content digitization
- Multi-format transcoding
- Metadata tagging
- Content repurposing
- Digital asset management
- Testing and Support

Transition your video tape-based libraries to more efficient, searchable digital archives

Telestream® and Alteran Technologies, a division of JP Claude Inc., have partnered to offer companies an affordable, scalable and customizable solution for high-volume encoding of videotapes to digital file formats – making them accessible to searchable digital archives and asset management systems.

Alteran Technologies automated robotic hardware/software system solution, ViTaDi, combines with Telestream's Pipeline™ network encoder to automate the process of *simultaneously* capturing and digitizing multiple videotapes, from one or more locations, and encoding them in real time to digital video files. Telestream's Episode® Engine works in tandem with ViTaDi and Pipeline to begin transcoding the video files to additional formats while they are being encoded.

The result is an extremely fast and efficient means to capture, transform and deliver video in multiple video/audio file formats to media servers, digital archives and asset management systems.

How it works for ingest into a typical Apple digital asset management scenario

The partners have developed an affordable and scalable four-channel capture solution. This includes Alteran Technologies ViTaDi software/hardware migration solution, Telestream's Pipeline Quad 4-channel capture system, Telestream's Episode Engine transcoding software running on an Apple Xserve capture/management computer and the Digital Asset Management powered by Apple's Final Cut Server.

ViTaDi provides a scalable, manual and robotic automated video migration solution. Pipeline Quad cost-effectively provides four simultaneous capture channels of encoding in a single system. This minimizes the expense of additional hardware and software as well as maintenance and support. Additionally, Telestream's Episode Engine allows for the simultaneous transcoding of files during the ingest phase.

Apple Xserve provides the capturing hardware. Additionally, Apple's Final Cut Server provides a complete digital asset management system which includes metadata tagging, repurposing and program management. This workflow process creates a final output in near real-time which provides a flexible and cost-effective end-to-end migration and digital asset management solution to meet the migration challenges of a large videotape library.

Why Choose the Combination

The combined products offer a cost-effective and streamlined approach to the task of ingesting and transcoding multi-channel video. Seamless integration between the partners' products has created an ease of real-time data flow within a compact IT infrastructure. By streamlining the workflow and computer elements, long-term savings are passed onto the customer. The combined offering has the potential of becoming a standard model solution for marketing to various domestic and foreign video libraries to efficiently and cost-effectively solve similar business challenges.

Why choose Alteran Technologies and its product

Alteran Technologies develops customized software/hardware workflow solutions for a broad cross section of industries. The ViTaDi product offering is an affordable, scalable video migration solution that enables the automated digitization of content. This software solution is designed to organize and control rapid video migration. Using a complex and proprietary database backbone, the solution can ingest over 64 channels of content at a single time. This makes our solution one, if not the, most efficient and cost effective in the industry today.

Why choose Telestream and its products

Telestream is a leading provider of enterprise-class video encoding and transcoding solutions. Customers include the world's most demanding media and entertainment companies, corporations and government institutions, who rely on Telestream products for convenient, cost-effective and robust digital video capture, transformation and delivery across data networks. Telestream products make it possible to get video content to any audience regardless of how it is created, distributed or viewed.

Pipeline is a network encoding device that provides SDI video capture from tape and live sources and enables real-time encoding to DV, IMX, MPEG-2 I-frame, DNxHD, DVCProHD and ProRes 422 formats. Pipeline allows users to edit or transcode media while it is being captured, making it useful for fast ingest into editing and transcoding workflows, as well as into digital archives and asset management systems.

Episode Engine is server-based video transcoding software that provides further compression for delivery to multiple distribution platforms, including web, mobile phones, portable devices, DVD, television and archives in a wide range of output formats.

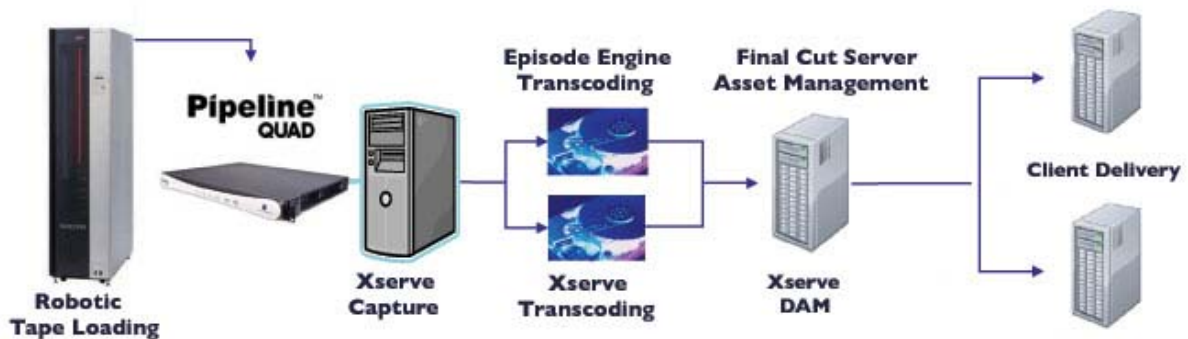**Diagram depicting the combined technical solution in a typical Apple workflow**

Diagram description: The basic 4-channel capture solution includes: the ViTaDi robotic videotape migration solution, Pipeline Quad, Apple Xserve capture/management computer, Episode Engine on two CPUs and Apple's Final Cut Server Asset Management.

For more information, visit: www.alterantechnologies.com   www.telestream.net