

Final Cut Studio Solutions

Third-Party integration featuring Telestream



Pipeline™

The Solution

Pipeline from Telestream is a network-based video import and export device for moving standard definition SDI video and audio in and out of Final Cut Pro workflows. Pipeline sits on the network where anyone can access it – providing a more flexible alternative to traditional capture-card solutions on a dedicated workstation. Common network protocols, RS-422 deck control and frame-accurate ingest make Pipeline a smart choice for video capture.

Pipeline provides three easy ways to capture video: log and capture video from tape, schedule record of live feeds and manual record. Pipeline also offers a choice of encoding formats. DV25, IMX and Pro Res 422 are available in a single device to handle Final Cut users changing format needs. Need more formats? Telestream's Episode desktop and Episode Engine server software products for Mac OS X extend workflows by transcoding media files to virtually any format.

Pipeline's flexible video capture allows Final Cut users to edit or transcode media files while they are being captured. No need to wait for the complete file to arrive. Batch ingest from an EDL file enables encoding of multiple clips from a single tape. Plus, real-time reliable hardware encoding, eliminates the susceptibility of a workstation/card model, removing operating system and driver incompatibilities.

Pipeline enables any Mac workstation on the network to act as a network import/ export station – making it very cost effective. Pipeline also offers support for direct extraction of VBI data and a wide variety of time code sources.

Primary Components:

Log & Capture directly from Final Cut Pro or standalone Pipeline application

Convenient import and export, including Final Cut Interchange XML support

Edit or transcode while capturing media

Speeds delivery of breaking news or live events

Schedule capture & playout

Supports recurring 24-hour schedules

Networked device supports Bonjour

Easy network setup and use

User-selectable encoding to multiple formats

A choice of formats in a single box: DV25/ DVCPro25, IMX 30/40/50 & Pro Res 422

Multiple timecode sources

Supports Input VITC, Sync Ref VITC, RS-422, Network Time Protocol

Models to fit every workflow

SD single- & 4-channel models available now – scalable to unlimited channels

HD model available late 2008

Supports Apple systems

Qualified on Apple Final Cut Pro 5.1.4 or later and Final Cut Server

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The Workflow

Pipeline provides real-time video capture into broadcast, post-production and other professional media workflows. A Pipeline installer adds the necessary Final Cut Pro plug-in to drive this video capture device. Pipeline plugs into the Mac Ethernet port, allowing users to simply cable up the SDI connections and an RS-422 VTR remote to the appropriate video source. When used in tandem with Final Cut Pro, Pipeline is a set-it-and-forget-it device.

"Pipeline is an elegant, portable I/O solution for editors and broadcasters alike."

– Oliver Peters, Videography

"Pipeline brings high-quality real-time encoding within reach, even for media departments and small facilities with tight budgets. This outstanding product will not only save you money but also time."

– Lifelong Learning Magazine

Final Cut users access Pipeline through the File > Import submenu. Clicking on Pipeline brings up a dialog box to acquire the device, which is already auto-sensed over the network by the Mac, and next a log-and-transfer window. That's where users control the deck, mark in and out times and capture media.

The last step is to import the captured clips, which adds them to the Final Cut project bin as master clips. When running Pipeline as a Final Cut plug-in, DV/DVCPRO and IMX formats are currently available (ProRes will be available soon). When going back out to tape, users acquire Pipeline through the File > Export submenu. This process essentially follows the same steps as the import routine.

Ingest live events into editing workflows

Pipeline saves significant time by importing media directly into Final Cut editing workflows. With Pipeline, QuickTime movie files are ready immediately, allowing incoming events and breaking news to be edited while they are being captured. External encoding frees up workstations for editing – rather than waiting for clips to be rendered. Pipeline's export functions can be used to export content directly from editing workflows or to print clips to tape for sharing with clients. Pipeline's customizable keyboard commands allow users to set up workflows the way they want.

Ingest into transcoding workflows

Pipeline also offers high-quality baseband ingest into transcoding workflows via Telestream's Episode desktop and Episode Engine server software products. Episode Engine integrate with Pipeline to enable Final Cut users to simultaneously create a high-res file for storage or editing, while creating a low-res proxy, or create any number of additional file formats in real time. Transcoding begins immediately while ingesting media to improve workflow throughput. Pipeline also preserves important metadata throughout the transcoding process.

Ingest into asset management workflows

Pipeline streamlines ingest into Final Cut Server by providing a Final Cut Interchange XML clips list and QuickTime files.



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Telestream products make it possible to get video content to any audience regardless of how it is created, distributed or viewed. Throughout the entire digital media lifecycle, from capture to viewing, for consumers through high-end professionals, Telestream products range from components to fully-automated workflow systems. Telestream enables users in a broad range of business environments to leverage the value of their video content.