



Version 1.3 Release Notes

December 8, 2008

This Release Notes document describes the key product features, enhancements, bug fixes and known issues for hardware and software systems utilizing Pipeline and Pipeline Quad hardware, and Pipeline software. This release consists of firmware and software revision 1.3. Included in this document are installation and update instructions; system requirements; and, technical support contacts.

This release of Pipeline software updates the OS X Pipeline scheduling application and version firmware update for the Pipeline SC and Pipeline Quad hardware to revision 1.3.

Key new features:

- Updated Pipeline scheduling application for Mac OS X
 - Fixes issue writing larger than 2GB QuickTime files to SMB and AFP shared folders
 - Adds Final Cut Pro and Copy file plugins
 - Optional Disk Buffering feature add reliability
 - Add new diagnostic dialog window
- New firmware for Pipeline Single Channel and Quad Channel

Pipeline v1.3 beta release consists of:

- Pipeline for OS X installer – v1.3.0.13
- Pipeline device firmware for Pipeline SC and Pipeline Quad – v1.3.40838

Details of new features & enhancements added for v1.3:

Mac OS X software enhancements and fixes (v1.3.0.13):

- **New - Final Cut Pro and Copy file plugins:** Includes two new publishing plugins. The Final Cut Pro publishing plugin generates Final Cut Pro XML Interchange documents for importing clips into Final Cut Pro. The Copy File publishing plugin allows you to automatically copy a completed recording to another location.
- **New - Disk Buffering:** The Pipeline application has a new disk buffering feature, which will, when enabled, record audio and video frames to a temporary directory on the local disk, and deliver them to their final destination as bandwidth allows. This feature, when enabled, ensures captures will continue even when the network or destination disk speeds drop. This feature should not be used when the final destination is the same disk that the operating system is running on, as that would unnecessarily double the disk I/O.
- **New – Diagnostic dialog:** A diagnostics panel for advanced users and for aiding technical support.
- **Fixed** – Fixed a bug that prevented captures larger than two gigabytes from being written to disks accessed via SMB or AFP.

Firmware enhancements and fixes:

Standard Definition devices v1.3.40838

- Support for Pipeline for OS X v1.3
- Various improvements and fixes

Known Issues

Pipeline OS X scheduling application (v1.3.0.13)

- Requires Mac OS X 10.5 or later
- Requires Pipeline device firmware rev 1.3.40838 or later
- Requires QuickTime 7.5.5 or later

Pipeline Porter and plug-in log/capture tool (v1.3.0.13)

- **Compatible with Mac OS X 10.5 (Leopard) only**
- ProRes 422 preview requires QuickTime v7.5.5 or the Apple Pro Res codec download
- Opening multiple copies Porter on one system is not supported
- **G4/G5 PPC systems no longer supported**
- Does not support editable open QuickTime files
- Some gigabit switches, such as the SMC TigerSwitch 8624T, are unable to handle exports reliably. If you encounter a problem during export, characterized by a notification that the Pipeline encountered an error and had to abort, please notify support, and include the manufacturer and model of the switch.
- Clip thumbnail image occasionally shows system desktop

Standard Definition Firmware (v1.3.40838):

- none

Installation and Update instructions

Note: Pipeline v1.3 OS X software requires that your Pipeline device's firmware be upgraded to v1.3. See instructions below

Pipeline OS X software (v1.3.0.13):

Note: v1.3 of Pipeline for OS X is compatible with Mac OS X 10.5 or later only

- Run **Pipeline.pkg** and follow the on screen instructions
 - The installer will place the **Pipeline** scheduling application and **Pipeline Porter** log and capture tool into the user's application folder.
- To run the Pipeline scheduling application select **Pipeline** from the applications folder
- To run the Pipeline Porter log and capture tool select **Pipeline Porter** from the applications folder
- The **Pipeline plug-in** can be opened directly from Final Cut Pro or Episode v5.0
- Download and read the **Pipeline v1.2 User Guide** and the **v1.3 User Guide Addendum** for more details on using the Pipeline software



Pipeline.pkg



Pipeline



Pipeline Porter

Pipeline Application reference:

<i>Pipeline OSX v1.3 application feature matrix</i>	Pipeline scheduling application	Pipeline Porter and plug-in (Log/Capture)
24 Hr recurring scheduled record and playout	X	
Log/Capture with Deck control		X
Open directly from Final Cut Pro		X
Open directly from Episode desktop		X
Edit while capturing	X	
Transcode while capturing	X	
DV\DVCPPro codec	X	X
IMX codec	X	X
ProRes 422 SD SQ codec	X	X
Import Pipeline EDL files		X
Import/Export Final Cut Interchange XML		X
Creates QuickTime mov	X	X
Creates TIFO	X	

Fig. 1.0 - Pipeline OS X application software feature matrix

Pipeline SC and Pipeline Quad Firmware (v1.3.40838):

- Download the firmware binary file (SD_firmware_1_3_40838.zip)
- Follow the firmware upgrade instructions contained in the [Pipeline v1.2 User Guide](#)

Follow the installation instructions contained in the [Pipeline v1.2 User Guide](#) located on the Pipeline support web site at: <http://www.telestream.net/telestream-support/pipeline/support.htm>

General System Requirements

- Intel Core 2 Duo, Intel Quad Core CPU or greater
- Operating System:
 - Mac OS X Version 10.5 (Leopard) or newer (Tiger – Mac OS X 10.4 or earlier is *not* supported)
- GigE or faster Ethernet adapter
- Video card supporting OpenGL
- QuickTime Version 7.5.5 or newer
 - With ProRes decoder component
- Final Cut Pro Version 5.0.1 or newer is required when using Pipeline plug-in

System requirements for Pipeline/FlipFactory

- FlipFactory v6.0 with Update Packs 1-5 or FlipFactory v6.1
 - Concurrent Pipeline ingest streams may vary depending on CPU and disk speeds
 - Recommended server spec:
 - Dual 2.3Ghz (or higher) Intel Quad Core CPU
 - Dedicated RAID-0 media storage
 - 2GB RAM
- Bonjour for Windows

Network and Hard Disk Performance Requirements (per stream)

- DV/DVCPPro – Network throughput 35Mbps; disk write speed 4.4MB/s
- IMX30 – Network throughput 43Mbps; disk write speed 5.3MB/s
- IMX40 – Network throughput 56Mbps; disk write speed 7.0MB/s

- IMX50/MPEG2 – Network throughput 67Mbps; disk write speed 8.3MB/s
- ProRes422 SQ (SD) - Network throughput 58Mbps; disk write speed 7.3MB/s

Suggested Hardware Configurations* (ingest only Standard Definition)**

Single channel system

Intel Dual Core 1.83Ghz CPU, 2GB RAM, SATA 1.5GBs 7200 RPM media storage drive (separate from OS drive)

Dual channel system

Intel Dual Core 2.0Ghz CPU, 2GB RAM, minimum 2 drive RAID-0 SATA 1.5GBs 7200 RPM media storage partition (separate from OS drive)

Four channel system

Intel Quad Core (4 core) 2.33Ghz CPU, 4GB RAM, minimum 3 drive RAID-0 SATA 1.5GBs 7200 RPM media storage partition (separate from OS drive)

Eight channel system

Intel Dual Quad Core (8 cores) 2.33Ghz CPU, 6GB RAM, minimum 4 drive RAID-0 SATA 3GBs 7200 RPM media storage partition (separate from OS drive)

Pipeline Support

For Pipeline technical support, visit the Pipeline support web site at <http://www.telestream.net/telestream-support/pipeline/support.htm>.