



Episode

## Episode 7.4 Release Notes

### System Requirements

#### Mac Minimum System Requirements

- Operating System: OS X 10.11 or higher (Includes macOS Sierra 10.12)
- RAM: 8 GB or more
- 256 GB hard disk space, with 300 MB minimum for product installation
- Online Help Browser Requirements
  - Safari

*\*Please note: Episode 7 does not support OS X 10.10 or previous versions of Mac OS X.*

#### Windows Minimum System Requirements

- Operating Systems:
  - Windows 7 64-bit SP1 (64-bit, 1.5 GHz)
  - Windows 8.1 (64-bit, 1.5 GHz)
  - Windows 10 (64-bit)
  - Windows Server 2012\*
- RAM: 8 GB or more
- 256 GB hard disk space, with 300 MB minimum for product installation
- Bonjour Print Services for Windows v2.0.2
- .NET Framework 3.5 SP1
- .NET Framework 4.6
- Online Help Browser Requirements
  - Internet Explorer: Version 8 or higher
  - Firefox: Version 6 or higher

*\*Please note: Episode 7 does not support Windows Server 2008.*

### Episode 7.4

#### IMPROVEMENTS

- Updated and improved the integration with Youtube to support the updated API and added the ability to handle multiple user accounts.
- Changed to new libraries for handling MXF content.
- Improved node information provided through the CLI.
- Made parsing of incorrect audio metadata in MOV files more robust.

- Added support for DNxHR in MXF.
- Added support for decode of field based H264 video.
- Improved support for MXF input over SMB.

## **BUG FIXES**

### *General*

- Fixed an issue with closed captioning in MXF.
- Fixed several timing issues when using In/Out points with and without Split & Stitch.
- Fixed issues with DASH support.
- Fixed a variety of duration issues, both in standalone encodes and with Split & Stitch.
- Fixed a bug with import of GXF files.
- Fixed parameter values for email notifications.
- Fixed timing issues in frame rate filter to improve de-interlacing quality.
- Fixed a crash when encoding using x264 and closed captions in combination.
- Fixed support for multi-track audio output with Split & Stitch.
- Fixed an issue with audio/video sync when using XDCam inputs.

## **Episode 7.3**

### **IMPROVEMENTS**

- Added support for decoding the Cineform codec.
- Added alpha channel support for QT Animation sources.
- Added support for 8-bit BlackMagic video.
- Added support for Windows RGB decode from an AVI container.

### **BUG FIXES**

### *General*

- Fixed time code issues when using Split & Stitch.
- Fixed time code issues for some MXF and TS variants.
- Fixed time code issues when using 23.98fps.
- Fixed closed caption issues when using Split & Stitch.
- Fixed color format for JPEG 2000 in MOV.
- Fixed channel order for 5-channel audio.
- Fixed a race condition when decoding long AVC-Intra sources.
- Fixed issue that caused crashes when the edit list was empty in MOV files.
- Optimized the Lanczos resize filter for certain color formats.
- Fixed channel order problems for GXF sources.
- Removed YouTube deployment support due to lacking API support.

- Fixed an issue causing corrupt output when encoding VC-1 using Split & Stitch.

### *Mac*

- Fixed an issue with 10-bit HEVC not working on Mac.

## **Episode 7.2**

### **IMPROVEMENTS**

- Added support for macOS Sierra!
- Added the ability to use edit lists with separate audio and video sources.
- Modified the processing order of tasks when doing Split & Stitch workflows so that the audio split will run first.
- Added support for decoding ProRes 4444 XQ on Windows.
- Added support for using values other than 2, 4, 8, or 16 for the number of audio channels in an XDCam MXF output.
- Episode will now show a warning if Desktop Experience is not activated on Server editions of Windows.
- Optimized the time it took to search to starting points in many formats.
- Added support for more codecs in AVI input files.
- Increased the maximum bitrate that can be set for the X264 codec.
- Added support for the Lanczos algorithm when resizing interlaced material.
- Reduced memory usage when using animations or other movies as a watermark.
- Updated system templates and workflows.

### **BUG FIXES**

#### *Customer Issues*

- Fixed bugs that prevented interlaced video from being displayed on Windows when any mode other than Weave Fields was selected and hardware rendering was disabled.
- Fixed a bug where the stitch process in a Split & Stitch workflow could stall and never complete.
- Fixed a bug that could cause workflows using reference files to incorrectly map the audio channels to the output.
- Fixed a bug that would cause repeating timecode values when jobs with Split & Stitch were submitted using reference files to the source.
- Fixed a problem where some audio was dropped when encoding AAC using Split & Stitch
- Fixed a bug where JPEG2000 to ProRes transcodes could result in two time durations, leaving only half the audio in the final output.
- Fixed a bug where reference files created using CatDV could result in green output video.
- Fixed a crash with certain combinations of settings in the audio speed filter.

- Fixed a bug that caused intermittent audio spikes with some combinations of source and output audio codecs.
- Fixed audio mapping when using PCM with 8 discrete channels and doing a manual mapping using the ProAAC codec.

### *General*

- Fixed an issue where X264 interlaced content could be mis-detected as progressive by the video importer.
- Fixed a bug that would prevent captions from being inserted when interlaced outputs were bottom field first.
- Improved the parsing of User Data in MOV file sources.
- Fixed color space issues for DNxHR 4:4:4.
- Made a fix for alpha layer handling when resizing 16-bit images.
- Fixed 2-pass encoding when using MXF as the input file format.
- Fixed a crash when restarting (or stopping) the Node process.
- Fixed issues with paths when using QuickTime Reference files with sources on SMB mounts.
- Removed green bars when decoding anamorphic OP-1a IMX30 MXF files.
- Fixed a potential deadlock when exporting WebM material.
- Fixed a problem that could cause the user interface to freeze when closing if the node was the master of a cluster.

### *Windows*

- Decreased the size of epitrasks with the Channel Converter filter created on Windows.
- Fixed a memory issue for 16-bit AES on Windows.

## **Episode 7.1**

### **IMPROVEMENTS**

- Now support for Apple ProRes 4444 XQ decode.
- Added support for 10-bit Lanczos resize filter.
- WMV output has been re-added to Episode.
- Added 16 channel audio output option in UI.

### **BUG FIXES**

- Fixed an issue where banding appeared in MXF AS-11 AVC-Intra 1080i.
- Fixed a problem where Episode picks up files before they are done copying into a FTP folder.
- Fixed a problem where EDLs create output that is too long.
- Fixed an issue where all JPEG 2000 outputs are Progressive - add support for Interlaced JPEG

2000.

- Fixed a problem where AVI Decode couldn't find the importer.
- Fixed a problem where duplicating System Encoder and Deployment does not create duplicate in User Encoders or Deployments.
- Fixed an issue where AAC does not work below 44.1 kHz.
- Fixed an issue where HEVC and AVC-Intra Progressive outputs have unknown field-order to Episode's API.
- Fixed an issue where anamorphic h.264 in .ts is broken.
- Fixed the problem where an IMX30 source had corrupt audio in the output.
- Fixed a memory leak when decoding 'AVC1' .mov file.
- Fixed an issue where there was a memory allocation error with ProRes 720p 59.94 fps.
- Fixed a problem where MP4 anamorphic files were not playing back as anamorphic in QT 7 player.
- Fixed an audio sync issue with encoded MOV H264 files.
- Fixed a problem where QT Timecode reel name doesn't work for reference files.
- Fixed a problem where AC-3 audio in a MPEG-TS container always encoding to 5.1.
- Fixed an audio error when MOV ProRes is encoded to MP4 H264 with High Complexity AAC.
- Fixed an issue where video is black when source is MOV AVC created by a Panasonic GH4 and encoded to MOV ProRes.
- Fixed audio errors when encoding MOV ProRes to MXF XDCAM HD 422.
- Fixed a problem where encoding MPEG-TS to MOV XDCAM distorts audio and changes channel order.
- Fixed an issue where MP4 H264 files fail to encode to MPEG-TS MPEG2.
- Fixed an A/V sync issue with XDCAM.
- Re-added support for AVI input.
- Fixed a crash where MOV H264 iPhone videos crash immediately.
- Fixed an issue where transfer fails to folder name with Cyrillic characters on Windows.
- Fixed an issue with incorrect headers in AVC-I output that caused banding in certain players.

### **Episode Exporter for Adobe® Premiere® Pro CC Fixes**

- Added support for newer version of Premiere Pro.
- Removed need for rendering large cache files from Premiere Pro before transcoding in Episode.
- Added support for using Named Storage in Premiere Pro.

## **Episode 7.0**

### **IMPROVEMENTS**

- **NEW!** Native 64-bit support.
- **NEW!** 4K support.
- **NEW!** Added native support for JPEG2000.

- **NEW!** Added native support for QuickTime Animation (decode).
- **NEW!** Added native support for Avid DNxHR and DNxHD.
- **NEW!** Named Storage now available directly in the UI.
- **NEW and IMPROVED!** Better encoding presets.
- IMPROVED! HEVC support.
- IMPROVED! Preview functionality.
- IMPROVED! Channel Configuration for mapping audio channels.

## **BUG FIXES**

- Fixed issue with HDV 1080p using the frame rate filter with 23.976 fps.
- Fixed issue where in/out points in an MXF XDCAM to MOV MJPEG causes memory allocation error.
- Fixed issue where enabling the High Pass/Low Pass Audio filter crashed when submitted.
- Fixed issue where Episode was unable to decode AAC 5.1 or 7.1.
- Fixed issue where MOV HDV encoded file has audio sync error.
- Fixed issue where Episode was unable to decode MOV MPEG HDV files.
- Fixed issue where MBR fails to deliver package when source is WMV.
- Fixed issue where MOV container DV encoders were failing to make a file.
- Fixed Avid DNxHD 180 10-bit decoder error.
- Fixed issue where MXF DNxHD files created in Episode failed to decode in Episode.
- Fixed issue where AES audio doesn't work in MPEG-TS.
- Fixed issue where AES audio in transport streams has the wrong channel order.
- Fixed issue where encoding YUV MOV file added static to the audio.
- Fixed issue where QuickTime timecode track was not being decoded and passed along for DNxHR sources.
- Fixed issue where using ProRes 4444 or 4444xq as source made the chroma slide off in the last frames.
- Fixed issue where Episode could not duplicate image sequence source template.
- Fixed issue where MXF Op1a MPEG2 to MP4 H264 audio was distorted.
- Fixed problem where video start time was 1 frame delayed in M4V file format.
- Fixed a number of remote desktop issues.
- Fixed issue where encoding from ProRes 4444HQ ProRes 422HQ Would fail at 1920 x 1080.
- Fixed issue where encoding to AIFF the audio tracks were re-mapped to the wrong order.
- Fixed issue where audio became distorted with MPEG4 ProRes MOV with AAC audio was encoded with H264.
- Fixed problem where dragging workflows/sources/encoders/destinations into workflow editor freezes UI.
- Fixed issue where closed curly bracket in file name causes Episode monitor to stop.
- Fixed issue where encoding H264 MOV to H264 MOV with in/out points causes audio issue.
- Fixed problem with files that were encoding while ingesting.
- Fixed problem where Episode would reorder audio channels when no audio filter is selected or pass-through is used.
- Fixed issue where Episode could not decode an AVC file wrapped in an MPEG-TS.

- Added the SMPTE channel map order.
- Fixed problem where captioning data was not be passed through to H264 codecs.
- Fixed a crash when resizing a 720 x 576 file to HD.
- Fixed a problem where encoding an MPEG4 AVC file to ProRes caused a memory allocation error.
- Fixed problem where AAC audio did not propagate to analyzeFile CLI and XML/RPC command.
- Fixed issue where encoded files were not moving to an output folder on Harmonic Media Grid systems.
- Fixes issue where Episode UI was crashing on a Windows cluster host via RDP.
- Added the Lanczos resize method to Episode.
- Fixed problem were encoded MOV DV video won't import into Adobe Premiere Pro.
- Fixed issue where errors appear when encoding with AAC and sample rate filter (Mac only).
- Fixed crash when transcoding QuickTime reference files (Windows only).
- Fixed issue where priority can't be changed on submitted workflows (Windows only).
- Fixed a crash when moving a watch folder to a deployment (Windows only).
- Fixed issue where clearing cache in Episode deletes PrivateCache folder thus causing problems with future transcodes (Windows only).
- Fixed crash when saving a deployment task (Windows only).
- Fixed issue where FTP bookmark failed to connect to FTP server (Windows only).
- Fixed issue where program data was being put in the wrong folder (Windows only).

*For more information on Episode, Episode Pro, Episode Engine and other Telestream products, visit <http://www.telestream.net>.*

*NOTE: For CLI users, the bin folder has moved to Applications/Episode.app/Contents/Resources/engine/bin*