

Release Notes—KONA 3/2, LH/LHe, & LS/LSe Version 2



General

If you are installing your KONA hardware into a computer that has previously had another video capture card or drivers, we recommend running the AJA KONA Conflict Checker utility BEFORE installing the KONA software. The AJA KONA Conflict Checker will help you identify old drivers or software files that need to be removed before installing the new software. Also, please read the “ReadMeFirst.PDF” document on the installation CD, particularly if you are installing for the first time.

KONA 3—In This Release

- New Uncompressed 2K Format support:
 - 2048 x 1556 psf
 - Playback and capture at 14.98fps, 15fps, 10bit RGB, HSDL
 - Playback image can be cropped to 1920 x 1080 (HD), or 2048 x 1080 and then monitored at 23.98fps or 24fps frame rates
 - Cropped output can additionally be down-converted with 3/2 pulldown for 525 i 29.97 monitoring
 - 2048 x 1080 psf
 - Playback and capture at 23.98fps, 24fps, 8bit, 10bit, RGB, YUV, HSDL
 - 2048 x 1080 p
 - Playback and capture at 23.98fps, 24fps, 8bit, 10bit, RGB, YUV, HSDL
- Cross Convert:
 - 720p to 1080i
 - 1080i to 720p
- Audio Features:
 - 96 KHz audio
 - 16 channel playback and capture
- Control Panel:
 - Direct pan control of 2K cropped image
 - Custom LUT Controls
- Realtime 2K playback of indexed DPX files in Final Cut Pro using a QuickTime reference movie



KONA LH, LHe, and KONA 2—In This Release

- Control Panel Custom LUT Controls

All KONAs (KONA LS/LSe, LH/LHe, KONA 3, and KONA 2)

- New contextual menus
- Special support for Final Cut Pro 5.1 updates
- DPX File Support
 - New utility applications (DPXtoQT and QTtoDPX)
 - Create a QuickTime reference movie from indexed DPX files (or optionally a self-contained movie)
 - Create indexed DPX files from QuickTime movie
 - Support for big- and little-endian DPX files
- Added support for Final Cut Pro “r4fl” data format used for high precision, high dynamic range color rendering
- Updated *Data Rate Calculator* utility application to support user selected formats and new presets
- Added software codec support for Nucleo, a render accelerator for Adobe After Effects™

VTR Xchange

- New version of VTR Xchange application
- Video can be optionally captured directly to DPX files with a corresponding QuickTime reference movie

Improvements and Fixes

- Fixed an issue with captures using compressed formats where the picture took a while to settle down at the beginning of capture.

Note: When upconverting on capture (525 input upconverted to 720 or 1080) it is important that the Default Kona Output (set in the Kona Control Panel) be set to “Input Passthru”.

- Default audio level settings in Final Cut Pro match unity levels
- Installer places Control Panel at the top level of Macintosh Applications folder—instead of inside a sub-folder
- Control Panel Presets are now placed in the Application Support folder instead of next to the KONA Control Panel application

