

Final Cut Studio Solutions

Third-Party integration featuring AJA



The Solution

AJA offers uncompromising professional desktop solutions for analog and digital SD, HD, Dual Link HD and 2K input/output. AJA KONA cards can be installed in powerful Apple PCI-X or PCIe systems using OS X and QuickTime. The KONA cards, when coupled with Apple's Final Cut Studio, result in a system that can offer the highest level of quality and functionality for non-linear editing, motion graphics creation and more.

The AJA KONA 3 is designed to be the tool of choice for the most professionally demanding post-production environments. KONA 3 supports a wide variety of uncompressed SD and HD formats, including high bandwidth Dual Link and 2K formats. KONA 3 captures and plays back uncompressed 10-bit and 8-bit broadcast quality digital video and 24-bit digital audio with up to 16 channels of audio support. KONA 3 can also capture and playback the Apple ProRes 422 codec along with compressed SD and HD formats when disk space or more realtime effects might be desired. Because KONA 3 is more than just an audio and video input/output card, it also includes a variety of 10-bit broadcast-quality features, such as hardware-based up-conversion, down-conversion, and cross-conversion. Other unique hardware functionality includes: HD/SD keyer for compositing graphics like logos or bugs over video without rendering, hardware scaling acceleration for DVCPROHD and HDV via Apple's Dynamic RT Extreme, developed in close cooperation with Apple and available exclusively on high-end KONA cards.

The AJA KONA 3 card is complemented by software which includes custom QuickTime drivers to optimize the power of the hardware. KONA software offers unprecedented features and control and via the intuitive KONA Control Panel which simplifies control of KONA's advanced abilities and even supports stand-alone conversion modes. Additional software includes the AJA Data Rate Calculator, the AJA System Test and the AJA DPXtoQT and QTtoDPX translator applications.

Products highlights

SD
NTSC and PAL

HD
720p, 1080i, 1080sf

Dual-Link HD, 2k, 4:4:4 RGB

HD to SD Down-conversion
10-bit, in hardware

SD to HD Up-conversion
10-bit, in hardware

HD to HD Cross-conversion
1080 <-> 720, 10-bit, in hardware

12-bit Analog SD and HD input and output
Component, Composite, and Y/C

10-bit SDI SD and HD input and output

Analog Audio Input and output
balanced XLR - 2 channel

AES Digital Audio Input and output
unbalanced XLR

SDI Audio Input and Output
embedded in SDI

Professional Genlock

RS-422 Machine Control

DVCPRO-HD and HDV acceleration hardware based scaling

1RU Breakout Box
optional

PCIe and PCI-X available

3-Year Warranty and tech support



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Since 1993, AJA Video has been a leading manufacturer of video interface and conversion solutions, bringing high-quality, cost-effective digital video products to the professional broadcast and post-production markets. AJA offers the I/O, KONA and XENA desktop video products, miniature stand-alone converters, and a complete line of rack mount interface and conversion cards and frames. With a headquarters and design center located in Grass Valley, California, AJA Video offers its products through an extensive sales channel of dealers and systems integrators around the world.