

# Final Cut Studio Solutions

Third-Party integration featuring AJA



## The Solution

The Io HD is a flexible and powerful post-production tool that uniquely integrates the Apple Pro Res 422 codec into hardware via a joint engineering effort between Apple and AJA. As the only device available that supports the Apple ProRes in hardware, the AJA Io HD has the completely unique ability to move 10-bit quality HD over FireWire. Through a FireWire 800 cable, the AJA Io HD can be connected to a Mac Pro or a MacBook Pro making it useful not only in a post-production facility, but as a portable post-production device as well. SD and HD input and output with professional quality wherever it is needed.

The Io HD also marries the quality of the Apple Pro Res 422 codec to professional broadcast and post-production equipment via unmatched connectivity. The Io HD features a full host of audio and video connections which include: analog component for SD and HD, composite, s-video, HDMI, SD-SDI and HD-SDI for video input/output and balanced analog, AES digital and embedded digital audio for input/output. The Io HD also has LTC timecode input/output, unbalanced RCA analog outputs, reference input and loop through as well as RS422 device control. Connect it all to Io HD.

Convert it all with Io HD. The Io HD also performs hardware-based conversions at 10-bit broadcast quality. These conversions include upconversions from SD to HD, downconversions from HD to SD and HD to HD crossconversions for moving between 720 and 1080 HD formats. With these hardware-based conversion capabilities, all media can be digitized to a common format and size using the efficient Apple Pro Res 422 codec while taking up no more space than uncompressed standard definition video.

Io HD is the ideal input and output hardware to partner with Apple's innovative Apple Pro Res 422 codec and Final Cut Studio running on Mac Pro towers or MacBook Pro laptops.

## Products highlights

### SD

NTSC and PAL

### HD

720p, 1080i, 1080sf

### 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 - 4 channel)

### AES Digital Audio Input and output

(unbalanced BNC - 8-channel)

### SDI Audio Input and Output

(embedded in SDI - 8 channel)

### Professional Genlock

### RS-422 Machine Control

### Apple ProRes 422 support

(integrated into hardware)

### 3-Year Warranty and tech support



AJA Video Systems Inc.  
P.O. Box 1033 • Grass Valley, California  
95945  
800.251.4224 • 530.274.2048 • [www.aja.com](http://www.aja.com)

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 Io, 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.