

# KONA 2 The Ultimate Capture Card.

Introducing KONA 2, the ultimate uncompressed capture card for SD, HD, and Dual Link HD. KONA 2 brings you incredible uncompressed video, 8-channel AES and embedded audio, up/down HD/SD format conversion, and HD/SD component analog output—all on a state-of-the-art PCI-X card. As on all KONA cards, you also get dual-monitor desktop viewing for no-holds-barred design and editing with support for Apple Final Cut Pro™ RT Extreme effects. KONA 2 also features hardware acceleration for the new DVCPROHD codec in Final Cut Pro HD. Also new: AJA's Qrez™ 4:1 hardware codec for high quality at lower data rates—and lower CPU loading. KONA 2 is simply the highest quality and most flexible solution available—all at an unprecedented low price.

## Features:

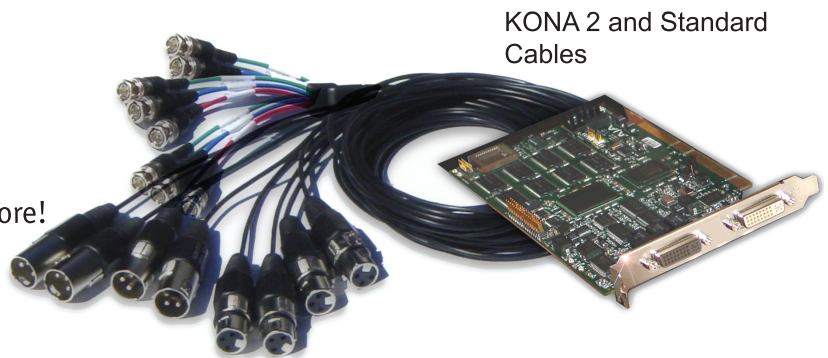
- SDI, HD-SDI, Dual Link 4:4:4 HD-SDI
- PCI-X 133 MHz
- 8-Channel 24-bit AES and Embedded Audio
- Broadcast Quality hardware 10-bit Up-convert
- Broadcast Quality hardware 10-bit Down-convert
- 12 bit HD component and SD component/composite analog output
- AJA Qrez™ 4:1 Hardware Codec
- AJA QuickTime™ Drivers
- Apple Final Cut Pro™
- Adobe AfterEffects, PhotoShop...and Much More!
- DVCPROHD hardware acceleration
- Cables Standard—K-Box Breakout Optional
- 3-year Warranty

## Dual Link HD

For KONA 2, AJA brings our industry leading Dual Link experience to the MAC. Supporting the highest quality possible with SDI video, KONA 2 features both 10 and 12 bit 4:4:4 Dual Link HD-SDI. Dual Link is just now starting to be used in the high-end production industry—and the video quality is stunning. AJA has been shipping Dual Link HD PCI cards to OEM partners for over a year. These products are field-proven and have been used on many high profile productions and D-Cinema projects.

## Awesome Audio

KONA 2's extensive audio support makes installation easier than ever. KONA 2 supports 8 channel AES audio via either XLR or BNC connections, or embedded audio. KONA 2 also features AES input sample rate conversion; this feature eliminates the requirement for audio source synchronization—and you will never hear a click or pop.



KONA 2 and Standard Cables

Optional K-Box Breakout Box



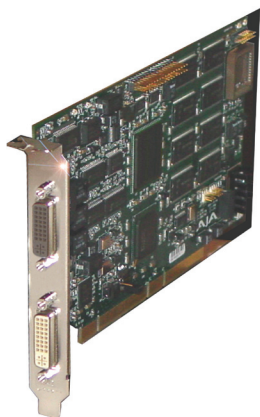
## Flexible I/O Options

KONA 2 offers unsurpassed cable connectivity for a video/audio capture card. Two versions of the breakout cable are provided: one with XLR AES connections, and one with BNC AES connections. Simply plug in the desired cable—they automatically configure. For SDI video, the breakout cables have 2 HD/SD BNC Ins and 2 Outs for single or dual link, 1 BNC for Genlock input, and 3 BNCs for HD/SD component analog video out. Also included is a 9 pin D connector for RS-422 machine control.

Since the ultimate capture card needs the ultimate breakout box, we also offer the optional K-Box. K-Box is a rugged 1 RU enclosure which mounts all of KONA 2's I/O connections in a convenient "break-out" styled box. Both reliable and convenient, K-Box can be rack-mounted or used on a desktop. K-Box also has additional features, as compared to the standard break-out cables: simultaneous XLR and BNC AES output, 2 channel RCA analog audio monitoring, and looping BNC Genlock reference connectors.

## Qrez™ 4:1 Hardware Codec

AJA now offers an additional choice for video compression—Qrez. Qrez is a high-quality hardware based codec that offers a 4:1 compression ratio. Because it's all in KONA 2's hardware, there is no processing load on the CPU and no latency. Qrez is useful for offline and online broadcast production.



# KONA 2



## DVCPROHD Hardware Acceleration

Final Cut Pro Users will love KONA 2's DVCPROHD hardware acceleration. Developed in close cooperation with Apple, KONA 2's hardware takes a portion of the DVCPROHD codec processing load off the CPU, allowing more Real Time effects in Final Cut Pro HD when outputting to HD-SDI. KONA 2 also has hardware support when capturing from HD-SDI to the DVCPROHD codec. KONA 2 along with Final Cut Pro HD and the DVCPROHD codec bring amazing Real Time HD production power to the desktop.

## Broadcast-Quality Conversion—Built-in!

Direct from AJA's converter division, KONA 2 features full 10 bit Broadcast quality motion adaptive SD to HD up-conversion, HD to SD down conversion, and automatic HD/SD 12 bit component analog output. These features are virtually identical to AJA's award winning stand-alone products that sell for much more than KONA 2. Also, because these functions are hardware based, they are available full time, all the time—with no CPU load.

## Analog Video Output Versatility

Kona 2 provides a 12 bit HD or SD component analog video output. In the SD mode, the analog output can be switched to Composite NTSC/PAL or S-Video. The analog video output is independently assignable—for example, when working with HD, the analog output can be switched to the downconverter, allowing for broadcast quality SD component or composite video output from HD material.

## The KONA Legacy Continues

AJA has made a huge investment developing quality Kona 2 hardware, writing and integrating new Quick-Time drivers, and creating a KONA customer support team. AJA is fully committed to providing the best products, and the best support, for the long term.

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