IO FXPRESS

Portable Video Audio I/O Interface. For Mac/PC.







Quality in a Box. For Mac/PC.

Io Express is the perfect Mac or PC interface for anyone who needs a quality portable monitoring and mastering solution when working with Apple ProRes 422 and Apple ProRes 422 (HQ), XDCAM HD, DVCPRO HD, DNxHD on Avid Media Composer, and more. Built small and robust, lo Express is ideal for use with a laptop for onset and in-the-field editing and playout.

Featuring full 10-bit, broadcast-quality HD to SD hardware down-conversion and automatic HD/SD 12-bit component analog output, lo Express offers conversion flexibility all the time—during ingest or playback.

Features

lo Express

HD/SD-SDI input/output

HDMI v1.3a input/output with Deep Color support at 30 bits per pixel

10-bit HD/SD Component Video Output

10-bit HD to SD Hardware Downconvert

2-Channel RCA audio output

LTC input/output (selectable LTC Input/Reference Video Input) RS422

Available with either ExpressCard interface for laptops or x1-lane PCle interface for towers

For Mac OSX and Windows 7/XP/Vista

Support for Final Cut Studio, Avid Media Composer 5.5,

Adobe Creative Suite, and more

Small, portable case design

1-meter PCIe tether cable

12v DC power supply

Rackmount kit optional

AJA 3-year warranty

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Pick a Workflow. Pick a Platform. See the Quality.

Freedom

Looking for a portable, rugged, broadcast-quality interface for Mac or PC? Regardless of your software of choice; from Apple Final Cut Pro, Avid Media Composer or Newscutter to Adobe CS5, lo Express is the ideal any-platform solution for uncompressed capture and file-based support. Give yourself the freedom to use applications on different platforms with a single interface, or collaborate with users on opposite platforms, passing assets without having to render each time.

If you work with a wide variety of formats, frame rates and audio/video sources, lo Express provides the connectivity you need. With its small footprint it offers big features, like 10 or 8-bit uncompressed video, HDMI I/O, HD/SD-SDI I/O with 8 channels of embedded audio, analog component video (SD/HD) or composite output, 2-channel unbalanced audio output, and broadcast quality hardware-based down-conversion for flexible post production. The HDMI I/O is v1.3a at 30 bits per pixel, providing ideal support for the very latest 10-bit monitors.

Note: Encoding of the Apple ProRes family of codecs is available only on Apple computers; however, playback is possible on a PC with the appropriate QuickTime Windows decoder.





On a Mac

lo Express and its quality AJA OS X QuickTime driver offer support for Final Cut Studio and most professional video applications (including those needing Core Audio support). Some of the applications you can use with lo Express include:

Apple Final Cut Pro Adobe Premiere Pro (via AJA plug-in) Adobe Photoshop (via AJA plug-in) AJA VTR Xchange Avid Media Composer 5.5 Adobe After Effects (via AJA plug-in) AJA TV

In addition to working with 3rd-party OS X applications, Io Express ships with the AJA Control Panel, an application used to select the input audio/video source, configure down-conversions and much more. Other useful utilities are also provided, such as the AJA DataCalc (Data Rate Calculator), useful for calculating storage and bandwidth requirements, and AJA System Test, useful for benchmarking storage.

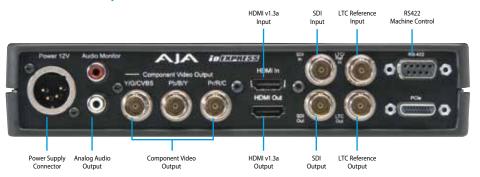


Io Express and its Windows 7, XP and Vista drivers, support a wide array of applications both natively and via supplied plug-ins. Applications supported include:

Adobe Premiere Pro (via AJA plug-in) Adobe After Effects (via AJA plug-in) Adobe Photoshop (via AJA plug-in) Drastic Media NXS Sony Vegas Autodesk Combustion Avid Media Composer 5.5 CineForm New 3D CineForm Neo HD CineForm Neo 4K Eyeon Fusion 64 bit

For Windows utilities, AJA provides PC versions of the AJA DataCalc (Data Rate Calculator) and AJA System Test utilities mentioned earlier.

Connectivity



Video Connectivity

lo Express provides exactly what you need for portable I/O, without superfluous extras you don't need. Connectors on the rear panel support professional broadcast cameras and devices. For digital video, the box features HDMI 1.3 I/O plus 3G/HD/SD-SDI I/O. In addition there are connections for Genlock or LTC input and a loop-through output, and three BNCs for component SD/HD analog video output. The high quality deep color HDMI input and output allows interfacing with low-cost camcorders and HD monitors. A 9-pin connector for RS-422 machine control gives you professional deck control.

With all these connections you can connect to just about anything—whether you're using Digital Betacam, HDCAM, DVCPro50, DVCPRO HD, D5 —or any other professional video device.

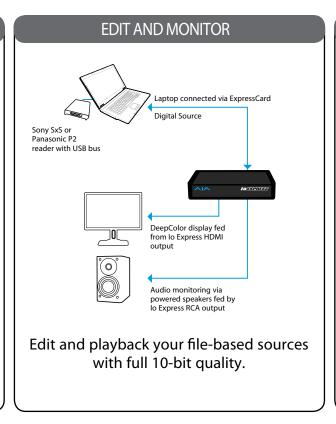
Audio Connectivity

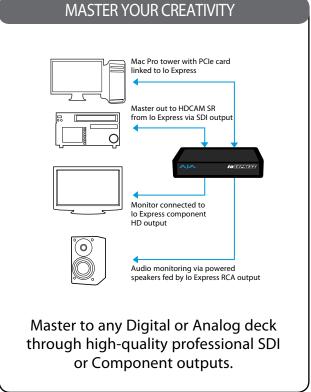
lo Express offers support for both 8-channel HDMI and SDI embedded digital audio or 2 channels of unbalanced analog audio via two RCA connectors. For multi-channel audio mastering, the 8-channel SDI embedded 24-bit 48kHz audio provides pristine quality.

Ideal for all workflows

lo Express can go where you go with a laptop or tower and editing software of your choice. A rear panel PCle connector connects to laptops via an ExpressCard, or to a Mac Pro or Windows workstation via a PCle card (either configuration can be ordered with lo Express).

HD-SDI, HDMI or SD-SDI from Camera or VTR Laptop - connected via ExpressCard adaptor DeepColor display fed from lo Express HDMI output Audio monitoring via powered speakers fed by lo Express RCA output Connect your digital sources via SD/HD SDI or HDMI to lo Express for capture to a variety of formats.





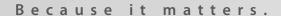
lo Express Formats Video Input **Audio Input** Options 525i 29.97 Digital: Digital: 625i 25 8- or 10-bit HD/SD SDI, SMPTE-259/292/296/424, 1 BNC 24-bit SMPTE-259 SDI embedded audio, 8-ch, 48 KHz 5 Meter PCIe Tether Cable (IOX-CBL-5M): longer cable for use 720P 23.98* HDMI v1.3, 30 bits/pixel, RGB or YUV, 2.25 Gbps, SD, HD synchronous 720p 24 * 8-channel HDMI embedded audio when placing lo Express farther 720p 25 * **Video Output** away from the host computer. Digital: **Audio Output** 720p 29.97* HD/SD SDI, SMPTE-259/292/296/424, 1 BNC Digital: 720p 30 * HDMI v1.3, 30 bits/pixel, RGB or YUV, 2.25 Gbps, SD, HD 24-bit SMPTE-259 SDI embedded audio, 8-ch, 48 KHz 720p 50 synchronous Analog: 720p 59.94 Component: 8-channel HDMI embedded audio 720p 60 SMPTE/EBU N10, Betacam 525 line, Betacam 525J, RGB Analog: Rackmount Kit (IOX-RM): Contains 1080i 25 12-bit D/A, 8x oversampling 2-channel unbalanced output (RCA-jack) 19" rack 1RU insert that will hold 1080i 29.97 Analog SD and HD Output, 12 bits, BNC: one or two lo Express units. Kit 1080i 30 Reference Input HD: YPbPr, RGB SD: YPbPr, RGB (component mode) includes screws for fastening lo 1080PsF 23.98 Color Black or Tri-level sync Composite/YC (composite mode) Express units. 1080PsF 24 LTC Input (on Reference input) Hardware Down-conversion, 10-Bit 1080P 23.98 Anamorphic: full-screen 1080P 24 **Machine Control** Letterbox: image reduced with black top & bottom 1080P 25 RS-422 9-pin connector added 1080P 29.97 to image area with the aspect ratio preserved 1080P 30 Crop: image is cropped to fit new screen size

Incredible 3 Year Warranty

AJA Video warrants that Io Express products will be free from defects in materials and workmanship for a period of three years from the date of purchase.

About AJA Video Systems, Inc.

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 lo and KONA desktop video products, Ki Pro family of recorders, 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. For further information, please see our website at www.aja.com





^{*} Note: Formats marked with an asterisk are non "over-the-wire" VFR formats