



# io Express

io Express delivers compact, powerful I/O for PC or Mac in the field, in the studio, or wherever your work takes you with 3G-SDI and HDMI I/O and Component Video Out.

\$995 US MSRP

<https://www.aja.com/products/io-express>

Industry Standard 4-pin XLR For Power  
(use Battery Power or supplied AC Adapter)



Analog Audio Output

SD or HD Component Output with Composite Output on Y Connector

HDMI Output

HD/SD-SDI Output

LTC Reference Output

PCIe Tether Cable  
PCIe Host Card Included

## Video Formats

- (HD) 1080i 50, 59.94, 60
- (HD) 1080PsF 23.98, 24
- (HD) 1080p 23.98, 24, 25, 29.97, 30
- (HD) 720p 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94

## Video Input

- SD/HD SDI, SMPTE-259/292/296/424, 8 or 10-bit
- Single Link 4:2:2 (1x BNC)
- HDMI v1.3

## Video Output Digital

- SD/HD SDI, SMPTE-259/292/296/424, 8 or 10-bit
- Single Link 4:2:2 (1x BNC)
- HDMI v1.3

## Video Output Analog

- Composite/S-Video (Y/C) (1x BNC)
- NTSC, NTSCJ, PAL
- Component (3x BNC)
- HD: YPbPr, RGB
- SD: YPbPr, RGB (component mode)
- SMPTE/EBU N10, Betacam 525 line, Betacam 525J, RGB
- 12-bit D/A, 8x oversampling
- +/- .2 dB to 5.0 mHz Y frequency response
- +/- .2 dB to 1 mHz C frequency response
- .5% 2T pulse response
- <1% Diff Phase
- <1% Diff Gain
- <1 ns Y/C delay inequity

## Audio Input Digital

- 8-Channel, 16 and 24-bit SMPTE-259 SDI embedded audio, 48 kHz sample rate, synchronous
- 8-Channel, 16 and 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous

## Audio Output Digital

- 8-Channel, 16 and 24-bit SMPTE-259 SDI embedded audio, 48 kHz sample rate, synchronous
- 8-Channel, 16 and 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous

## Audio Output Analog

- 2-Channel 16 and 24-bit unbalanced audio (via RCA jack)

## Reference Input or LTC Input

- 1x BNC assignable to Reference video or LTC input

## Reference

- Analog Color Black (1V) or Composite Sync (2 or 4V)
- Nonterminating

## Electrical Interface

- PCI Express X1

## Machine Control

- RS-422, Sony 9-pin protocol
- 9-pin D-connector pinout is as follows:

1	GND
2	RX-
3	TX+
4	GND
5	No Connection
6	GND
7	RX+
8	TX-
9	GND
Shell	GND

## Size (w x d x h)

- 8.74" x 7.09" x 1.65" (222.0 x 180.09 x 41.91 mm)

## Weight

- 1.5 lbs (0.7 kg)

## Power

- 12-18V, 11-13W

## Environment

- Safe Operating Temperature: 0 to 40 C (32 to 104 F)
- Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)
- Operating Relative Humidity: 10-90% noncondensing
- Operating Altitude: <3,000 meters (<10,000 feet)