



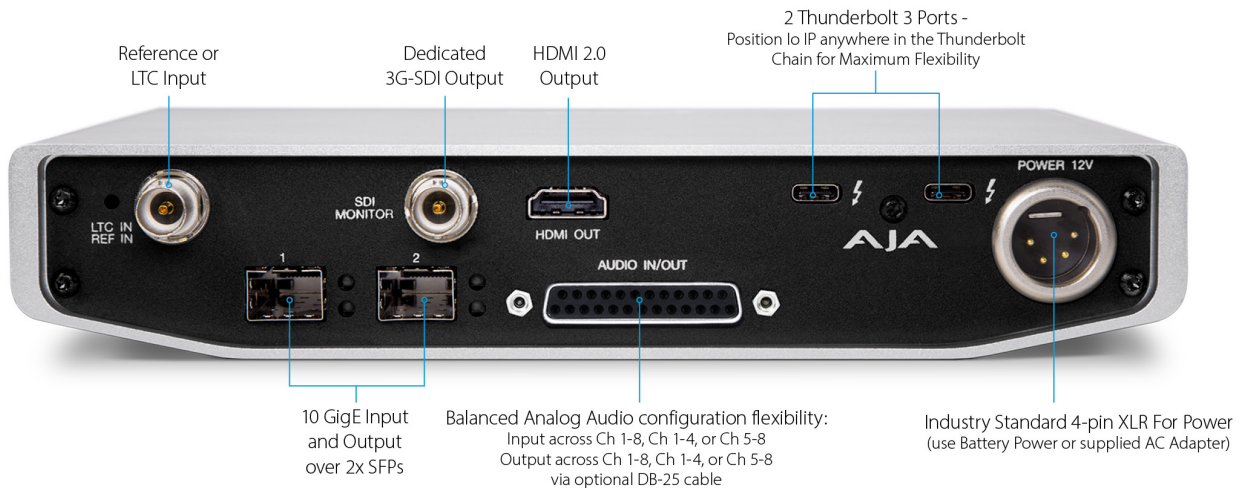
## io IP

io IP is a portable Thunderbolt 3 ingest and playback device for professional HD video and audio over IP, bridging 10 GigE to the most popular creative software applications.

**\$2,495 US MSRP**

io IP has all the portable benefits of the io family line with two Thunderbolt 3 ports for flexibility. It works with AJA's Control Room, Control Panel software and SDK tools, providing support for leading content creation applications, such as Adobe® Premiere® Pro, Apple® FCP X, Avid Media Composer®, FilmLight products and more. Designed as a flexible platform with support for SMPTE 2022-6 and 2022-7 uncompressed IP video and audio, io IP offers you the flexibility to keep current as the IP transition proceeds.

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



## Video Formats

- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (2K) 2048 x 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080i 25, 29.97
- (HD) 720P 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94

Note: High Frame Rate capabilities are dependent on host system attributes. Not all systems and configurations will support all frame rates.

## Media Transport Interfaces

- SMPTE 2022-6, 2022-7
  - 2x SFP+ Cages - SFPs not included
- Recommended SFP+ modules:
  - Finisar FTLX1471D3BCL (for single mode 1310nm)
  - Arista Networks SFP-10G-SR compatible 10GBASE-SR
  - Generic 850nm 300m DOM transceiver (for multi-mode 850nm)

## Video Input IP

- SMPTE 2022-6, 2022-7
  - Single channel input for NLE applications\*
  - Up to 4-Channels input available

\*Capture and simultaneous monitoring is supported

## Video Output IP

- SMPTE 2022-6, 2022-7
  - Single channel output for NLE applications\*
  - Up to 4 channels output available

\*Capture and simultaneous monitoring is supported

## Video Output Digital

- HDMI v2.0
  - 30/36-bits/pixel, RGB or YUV, 6 Gbps per color component
  - HDR10 Support - HDR Infoframe metadata, compatible with HDMI 2.0a/CTA-861.3
  - HLG Support - compatible with HDMI 2.0b/CTA-861-G\*

\*HLG support is application dependent. Check with your software manufacturer for compatibility.

Note: Bit depth support is application dependent. Check with your software manufacturer for compatibility.

## Audio Input IP

- Up to 16-Channel embedded audio, 24-bit per channel, 48 kHz synchronous

## Audio Inputs Analog

- 8-Channel, 24 and 16-bit A/D analog audio, 48 kHz sample rate, balanced, using industry standard 8x XLR on DB-25 breakout cable (cable not included)
- +24 dBu full scale digital (0dBFS)
- +/- 0.2 dB 20 to 20 kHz frequency response
  - Input supported across Ch 1-8, Ch 1-4, or Ch 5-8 depending on configuration chosen

## Audio Output IP

- Up to 16-Channel embedded audio, 24-bit per channel, 48 kHz synchronous

## Audio Output Digital

- 8-Channel HDMI embedded audio, 48 kHz sample rate, synchronous

## Audio Outputs Analog

- 8-Channel, 24-bit D/A analog audio, 48 kHz sample rate, balanced, using industry standard 8x XLR on DB-25 breakout cable (cable not included)
- +24 dBu full scale digital (0dBFS)
- +/- 0.2 dB 20 to 20 kHz frequency response
  - Output supported across Ch 1-8, Ch 1-4, or Ch 5-8 depending on configuration chosen

## Downstream Keyer

- Supports graphics with alpha channel over video, matte or framebuffer, or framebuffer content over incoming video or matte

## Reference and LTC I/O

- 1x BNC assignable to Reference video or LTC input

## Reference

- Analog Color Black (1V) or Composite Sync (2 or 4V) or HD Tri-Level Sync (1V)
- Reference input is terminated into 75 ohms when Genlock is set to Ref In

## Electrical Interface

- Thunderbolt 3 (2x)

## 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 8.11" x 1.65" (222.0 x 206.0 x 41.91 mm)

## Weight

- 3.3 lbs (1.5 kg)

## Power (Device Only)



- 10-20V, 33W typical, 38W max, 72W max with USB-C power delivery to external devices

## Environment

---

- Safe Operating Temperature Range: 0 to 40C (32 F 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)