



## KONA® IP

KONA IP is the next generation of AJA's industry leading KONA line of PCIe capture and playback cards. KONA IP is designed for use with AJA's Control Room, Control Panel software, and SDK tools, while also providing support for leading content creation applications - including Apple® FCPX, Adobe® Premiere® Pro CC and Avid® Media Composer®.

**\$2,495 US MSRP**

Designed as a flexible platform with support for SMPTE ST 2110, 2022-6 and 2022-7 uncompressed video and audio over IP, and optional compressed TR-01 JPEG 2000 workflows, KONA IP ensures you stay current as the IP transition proceeds.

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

### Video Formats

- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 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 50, 59.94
- (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 ST 2110, 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)
- TR-01 compliant JPEG 2000 Workflows\*
  - 1x SFP+ Cage - SFP not included
- Recommended SFP modules:
  - Fiberstore SFP-GB-GE-T
  - Aruba Networks SFP-TX Compatible 1000BASE-T SFP Copper RJ-45 100m Transceiver - NETCNA
  - 10Gtek Cisco Compatible GLC-T/ SFP-GE-T Gigabit RJ45 Copper

SFP Transceiver Module, 1000Base-T

\*Optional Purchase

### Video Input IP

- SMPTE ST 2110, 2022-6, 2022-7
  - Single Channel input for NLE applications
  - Up to 4-Channels input available
- TR-01 compliant JPEG 2000\* encoded within an MPEG-2 transport stream
  - HD video over 1GigE
  - Single channel input

\*Optional Purchase

### Video Output IP

- SMPTE ST 2110, 2022-6, 2022-7
  - Single Channel output for NLE applications
  - Up to 4-Channels output available
- TR-01 compliant JPEG 2000\* encoded within an MPEG-2 transport stream
  - HD video over 1 GigE
  - Single Channel output

\*Optional Purchase

### Video Output Digital

- HDMI v1.4b
  - 30/36-bits/pixel, RGB or YUV, 2.25 Gbps
  - 2K/HD/SD
  - HDR10 Support - HDR Infoframe metadata, in accordance with HDMI 2.0a/CTA-861.3
  - HLG Support - in accordance 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 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

## 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)
- Reference input is terminated into 75 ohms when Genlock is set to Ref In

## Electrical Interface

---

- 8-lane PCIe 2.0

## Size (w x d x h)

---

- 0.75" x 8.25" x 5.0" (19.05 x 209.55 x 127.00 mm)

## Weight

---

- 0.7 lb (0.4 kg)

## Power

---

- 25W typical, 27W maximum

## 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)