



KONA HDMI

KONA HDMI is an 8-lane PCIe 2.0 multi-channel HDMI capture card, with all of the quality and flexibility you have come to expect from AJA.

Designed for the demands of multiple workflows such as gaming, streaming, VJ-ing, live events switching, vlogging, VR, post and broadcast, this powerful card boasts support for single channel capture up to 4K/UltraHD 60p or four channel capture up to 2K/HD 60p.

KONA HDMI is also supported by both the AJA SDK as well as Video for Linux®, making it a perfect choice for developers of multichannel HDMI ingest, switching, monitoring and communication solutions.

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

Video Formats

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (2K) 2048 x 1080PsF 23.98, 24, 25
- (HD) 1080i 50, 59.94, 60
- (HD) 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 720p 50, 59.94, 60
- (SD) 625i 50
- (SD) 525i 59.94

Video Input Digital

- Dual or single* stream 4K/UltraHD with HFR support up to 60p, 4:2:2, 10-bit
 - HDMI 2.0, port 1 and 2
 - 30/36-bits/pixel, RGB or YUV, 6 Gbps per color component
- Quad, triple, dual or single* stream 2K/HD/SD** with HFR support up to 60p, 4:2:2, 10-bit
 - 30/36-bits/pixel, RGB or YUV, 2.25 Gbps
- Mixed stream supporting 1x 4K/UltraHD and 2x 2K/HD/SD with HFR support up to 60p, 4:2:2, 10-bit
 - 4K/UltraHD via port 1 only
 - 30/36-bits/pixel, RGB or YUV, 6 Gbps per color component
 - 2x 2K/HD via any other ports
 - 30/36-bits/pixel, RGB or YUV, 2.25 Gbps

*Using AJA Control Room, industry standard NLEs.

Note: Some use cases above require appropriate third-party multi-channel capture/switching software.

HDR

- HDMI: HDR10 Support - HDR Infoframe metadata, compatible with HDMI 2.0a/CTA-861.3
- HDMI: HLG Support - compatible with HDMI 2.0b/CTA-861-G

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

Audio Input Digital

- 8-channel, 16 and 24-bit HDMI embedded audio, 48 kHz sample rate, synchronous per HDMI Input
- Single stream input supports up to 8-channels
- Quad stream input supports up to 32-channels

Electrical Interface

- 8-lane PCIe 2.0

Size (w x d x h)

- 0.75" x 6.5" x 5.0" (19.05 x 165.1 x 127.0 mm)

Weight

- 0.3 lb (0.2 kg)

Power

- 22W typical, 25W 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)