



Hi5-4K-Plus

AJA's Hi5-4K-Plus preserves your vision with pristine image fidelity and HFR support up to 60p for 4K/UltraHD SDI to HDMI 2.0 conversion needs. The Hi5-4K-Plus can also generate HDR metadata in accordance with HDMI v2.0a/CTA-861.3 and includes HLG support.

\$935 US MSRP

Hi5-4K-Plus provides a simple monitoring connection from professional 4K devices using Quad 3G-SDI, Quad 1.5G-SDI, or Dual 3G-SDI outputs to new displays with HDMI 2.0 inputs, for cost-effective monitoring for 4:4:4/2:2 60p professional workflows.

<https://www.aja.com/index.php/products/hi5-4k-plus>

Video Formats

- (4K) 4096x2160p
- (UltraHD) 3840x2160p
- (2K) 2048x1080p
- (HD) 1920x1080p
- (HD) 1920x1080i
- (HD) 1280x720p
- (SD) 720x576i
- (SD) 720x480i

Note: Raster and Frame Rate Dependent, please see Hi5-4K-Plus Video Formats in the Download / Documents section of the website product page.

Video Input Digital

- 4x 3G-SDI BNC, SMPTE-259/292/424
 - YCbCr 4:2:2/4:4:4
 - RGB 4:4:4, SMPTE or Full level
 - 8, 10, 12-bit
 - Two Sample Interleave (2SI) or Square Division (Quadrant) pixel mapping
- 4x 3 Gb SDI (Level A or B Dual Link)
 - (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
 - (4K) 4096x2160PsF* 23.98, 24, 25, 29.97, 30
 - (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
 - (Ultra HD) 3840x2160PsF* 23.98, 24, 25, 29.97, 30
- 4x 1.5 Gb SDI
 - (4K) 4096x2160p 23.98, 24, 25, 29.97, 30
 - (4K) 4096x2160PsF 23.98, 24, 25, 29.97, 30
 - (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30
 - (UltraHD) 3840x2160PsF 23.98, 24, 25, 29.97, 30
- 2x 3 Gb SDI (Level B Dual Stream)

- (4K) 4096x2160p 23.98, 24, 25, 29.97, 30
- (4K) 4096x2160PsF 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840x2160PsF 23.98, 24, 25, 29.97, 30
- 1x 3 Gb SDI (Level A or B Dual Link)
 - (2K) 2048x1080p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
 - (2K) 2048x1080PsF 23.98, 24, 25, 29.97, 30
 - (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
 - (HD) 1920x1080PsF 23.98, 24, 25, 29.97, 30
 - (HD) 1920x1080i 50, 59.94, 60
 - (HD) 1280x720p** 50, 59.94, 60
- 2x 1.5 Gb SDI (Dual Link HD-SDI), SMPTE-372
 - (HD) 1920x1080p 50, 59.94, 60
- 1x 1.5 Gb SDI
 - (2K) 2048x1080p 23.98, 24, 25, 29.97, 30
 - (2K) 2048x1080PsF 23.98, 24, 25, 29.97, 30
 - (HD) 1920x1080p 23.98, 24, 25, 29.97, 30
 - (HD) 1920x1080PsF 23.98, 24, 25, 29.97, 30
 - (HD) 1920x1080i 50, 59.94, 60
 - (HD) 1280x720p 50, 59.94, 60
- 1x 270 Mb SDI
 - (SD) 625i 50
 - (SD) 525i 59.94

*PsF is Level B Dual Link

**1280x720p is Level A Only

Video Output Digital

- 1x HDMI Type A connector*, HDMI v2.0b
 - HDR infoframe generation with pass-through or override for Colorimetry and Transfer Characteristic
 - YCbCr 4:2:2/4:4:4/4:2:0
 - RGB 4:4:4, SMPTE or Full level

- 24, 30, or 36 Bits Per Pixel (HFR 4K/UltraHD 4:4:4 limited to 24 BPP)
- (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (2K) 2048x1080p 23.98, 24, 25, 29.97, 30, 47.95, 48, 50, 59.94, 60
- (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920x1080i 50, 59.94, 60
- (HD) 1280x720p 50, 59.94, 60
- (SD) 720x576i 50
- (SD) 720x480i 59.94

*If a connected monitor doesn't support HDMI protocol the unit automatically switches to DVI protocol (which does not pass audio)

Audio Pass-Through Formats

- PCM
- Dolby Digital (AC-3)
- Dolby Digital Plus (E-AC-3), including Atmos Immersive Sound (JOC)

Audio Input Digital

- SDI embedded audio, 24-bit (SD limited to 20-bit), 16-channel

Audio Output Digital

- HDMI embedded audio, 24-bit, 8-channel

User Interface

- USB port used with supplied cable and Mini-Config software application to configure the device via Mac or Windows.

Size (w x d x h)

- 5.76" x 4.02" x 0.90" (146.31 x 102.11 x 22.86 mm)

Weight

- 0.6 lb (0.3 kg)

Power

- 5-20VDC regulated, 12 watts, power supply required, included with purchase
- AC Adapter: 100-240VAC, 50/60 Hz, universal input

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)

Note: Hi5-4K-Plus uses approximately 12 watts of power and convection cooling. It will be very warm to the touch, which is normal. When installing the unit, mount in a location where it has access to air for proper cooling. Do not stack the Hi5-4K-Plus with other Mini-Converters.