

# AJA Hi5-4K-Plus 3G-SDI to HDMI 2.0 Converter

## Video Formats

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

## Video Input Digital

- 4 x 3G-SDI BNC, SMPTE-259/292/424
- YCbCr 4:2:2/4:4:4
- RGB 4:4:4, SMPTE or Full level
- 8 or 10 bit
- Two Sample Interleave (2SI) or Square Division (Quadrant) source mapping

## 4 x 3 Gb SDI (Level A or B-Dual Link)

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (4K) 4096 x 2160PsF\* 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (Ultra HD) 3840 x 2160PsF\* 23.98, 24, 25, 29.97, 30
- \*NOTE: PsF is Level B-Dual Link

## 4 x 1.5 Gb SDI

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30
- (4K) 4096 x 2160PsF 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840 x 2160PsF 23.98, 24, 25, 29.97, 30

## 2 x 3 Gb SDI (Level B-Dual Stream)

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30
- (4K) 4096 x 2160PsF 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30
- (UltraHD) 3840 x 2160PsF 23.98, 24, 25, 29.97, 30

## 1 x 3 Gb SDI (Level A or B-Dual Link)

- (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) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920 x 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1920 x 1080i 25, 29.97, 30
- (HD) 1280 x 720p\* 50, 59.94, 60
- \*NOTE: 1280 x 720p is Level A Only

## 2 x 1.5 Gb SDI

- (HD) 1920 x 1080p 50, 59.94, 60

## 1 x 1.5 Gb SDI

- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30
- (2K) 2048 x 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30
- (HD) 1920 x 1080PsF 23.98, 24, 25, 29.97, 30
- (HD) 1920 x 1080i 25, 29.97, 30
- (HD) 1280 x 720p 50, 59.94, 60

## 1 x 270 Mb SDI

- (SD) 625i 25
- (SD) 525i 29.97

## Video Output Digital

- 1 x HDMI Type A connector\*, HDMI v1.4
- YCbCr 4:2:2/4:4:4
- YCbCr 4:2:0 (for HFR 4K/UltraHD)
- RGB 4:4:4, SMPTE or Full level
- 8 or 10 bit (4:4:4 and 4:2:0 limited to 8 bit)
- HDR Infoframe generation as defined in CTA-861.3 and HDMI v2.0a

### **Raster size and frame rate**

- (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 (HFR 4:2:0 only)
- (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 (HFR 4:2:0 only)
- (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920 x 1080i 25, 29.97, 30
- (HD) 1280 x 720p 50, 59.94, 60
- (SD) 720 x 576i 25
- (SD) 720 x 480i 29.97

### **HDCP Encryption**

- Not supported. By definition, SDI inputs are unencrypted.
- The HDMI specification requires HDMI monitors to support unencrypted inputs.

### **Audio Input Digital**

- SDI embedded audio, 24-bit, 8-Channel

### **Audio Output Digital**

- SDI embedded audio, 24-bit, 8-Channel

### **User Controls**

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

### **Size (w x d x h)**

- 5.76" x 4.02" x 0.90" (146mm x 102mm x 23mm)

### **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 degrees C (32 to 104 degrees F)\*
- Safe Storage Temperature (Power OFF): -40 to 60 degrees C (-40 to 140 degrees 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.