



HA5-12G HDMI 2.0 to 12G-SDI Converters



Features:

- Convert HDMI 2.0b up to 4K 60p to 12G-SDI with a second mirrored output
- Two Sample Interleave (2SI) 4K/UHD source mapping
- HDR Infoframe decoder as defined in CTA-861-G and HDMI v2.0b
- 2-Channel embedded analog audio
- Lock LED shows type of input source, SD (green), HD (red), or 4K/UltraHD (amber)
- Configure via USB port and supplied Mini-Config software
- DWP-U-R1 power supply included
- Five year warranty

AJA's HA5-12G allows users to convert an HDMI 2.0 input to two 12G-SDI single link outputs. It includes two SDI DA outputs and transmits 12G-SDI on each SDI link, reducing cable runs when transporting 4K/UltraHD SDI. HA5-12G supports up to 8-Channels of audio from the HDMI source or 2-Channel analog audio (RCA), with eight or two channels of digital embedded audio on 12G-SDI.

Fiber SFP equipped HA5-12G models are available (please see separate listings), including the HA5-12G-T single channel transmitter, which extends HDMI source 4K signals over long distances (10 km Single Mode). The HA5-12G-2T dual channel transmitter offers two 12G-SDI coaxial outputs and two 12G-SDI over Fiber outputs to simultaneously enable HDMI 4K source extension to multiple locations without a distribution amplifier.

HA5-12G

HDMI 2.0 to 12G-SDI Converters

Tech Specs

Video Formats

- (4K) 4096 x 2160p
- (UltraHD) 3840 x 2160p
- (2K) 2048 x 1080p
- (HD) 1920 x 1080p
- (HD) 1920 x 1080i
- (HD) 1280 x 720p
- (SD) 720 x 576p
- (SD) 720 x 576i
- (SD) 720 x 480p
- (SD) 720 x 480i

Video Input Digital

- 1x HDMI Type A connector, HDMI v2.0b
- YCbCr 4:2:2/4:4:4/4:2:0
- RGB 4:4:4, SMPTE or Full level
- 8, 10, or 12-bit (HFR 4K/UltraHD 4:4:4 limited to 8-bit)
- HDR Infotone decoder as defined in CTA-861-G and HDMI v2.0b
- (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
- (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1920 x 1080i 50, 59.94, 60
- (HD) 1280 x 720p 50, 59.94, 60
- (SD) 720 x 576p 50
- (SD) 720 x 576i 50
- (SD) 720 x 480p 59.94
- (SD) 720 x 480i 59.94

Video Output Digital

- 1x 12G-SDI BNC, SMPTE-259/292/424/2081/2082
- YCbCr 4:2:2/4:4:4
- RGB 4:4:4, SMPTE or Full level
- 8 or 10-bit
- Two Sample Interleave (2SI) 4K/UltraHD source mapping
- 1x 12 Gb SDI
 - (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
- 1x 6 Gb SDI
 - (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30,
 - (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30,

Video Output Digital (continued)

- 1x 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 50, 59.94, 60
 - (HD) 1280 x 720p* 50, 59.94, 60
- 1x 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 50, 59.94, 60
 - (HD) 1280 x 720p 50, 59.94, 60
- 1x 270 Mb SDI
 - (SD) 625i 50
 - (SD) 525i 59.94

*1280 x 720p is Level A Only

Audio Input Digital

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

Audio Input Analog

- 2x RCA style connector, 2-Channel -10dBu (nominal)

Audio Output Digital

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

User Interface

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

Size (w x d x h)

- 4.6" x 4.02" x 0.9" (116.84 x 102.11 x 22.86 mm)

Weight

- 0.5 lb (0.3 kg)

Power

- 5-20VDC regulated, 11 watts, power supply required included with purchase
- AC Adapter: 100-240VAC, 50/60 Hz, universal input