



HA5-Fiber

The HA5-Fiber converts a HDMI input to 3G-SDI over single mode 1310 nm fiber optic cable (ST-style fiber connector) for transporting HDMI sources over fiber. The small form factor enables this Mini-Converter to easily fit onto the back of a camera or neatly behind an equipment rack.

Embedded 8-Channel audio is supported in the fiber output allowing a convenient single cable audio/video connection up to 10km. The HA5-Fiber also provides 2-Channel RCA style audio inputs for a stereo audio input when needed.

<https://www.aja.com/products/ha5-fiber>

Input Formats

- (HD) 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60
- (HD) 1080i 50, 59.94, 60
- (HD) 720p 50, 59.94, 60
- (SD) 625i
- (SD) 625p
- (SD) 576p
- (SD) 525i
- (SD) 525p
- (SD) 480p

NOTE: HDCP content not supported

Output Formats

- (HD) 1080i 25, 29.97, 30
- (HD) 1080p 23.98, 24, 25, 29.97, 30
- (HD) 1080p 50, 59.94, 60 - SMPTE 425-1 Level A mapping structure 1 (1920 x 1080 4:2:2 10-bit YCbCr)
- (HD) 720p 50, 59.94, 60
- (SD) 625i 25
- (SD) 525i 29.97

Video Input

- HDMI with embedded audio, up to 8-Channels

Video Output

- Single mode optical fiber, ST connector supporting SMPTE-259/292/424 3G/HD/SD-SDI

Audio Input

- 2-Channel RCA style analog audio (-10dBu nominal)

Audio Output

- SDI embedded audio

Optical Output

- Wavelength: 1310nm
- Output Power: -2dBm typical

Size (w x d x h)

- 4.4" x 2.4" x 1.0" (112mm x 61mm x 25mm)

Weight

- 0.3 lb (0.2 kg)

Power

- Uses AJA power supply model DWP-U-R1, included with purchase
- 100-240V, 50/60 Hz universal input
- +5V DC regulated, 4.5 watts

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)