

AJA 12G-AMA-R 4-Ch 12G-SDI Balanced Analog Audio Embedder/Disembedder with Single LC Fiber Receiver

Video Formats	<ul style="list-style-type: none"> • (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 • (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60 • (2K) 2048x1080p 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) 625i 50 • (SD) 525i 59.94 • RGB and YCbCr, 4:4:4/4:2:2, 10-bit <p>*1280x720p is Level A Only Note: Raster and frame rate dependent, please see 12G-AMA Video Formats in Documents and Manual.</p>
Video Input Digital	<p>1x 12G-SDI BNC, SMPTE 259/292/424/2081/2082</p> <ul style="list-style-type: none"> • Single Link SD/HD/2K/UltraHD/4K • Single Link 3G-SDI Level A, B-DL, or B-DS, SMPTE 425
Fiber Input	<p>1x 12G-SDI Fiber LC connector, SMPTE 297/259/292/424/2081/2082</p> <ul style="list-style-type: none"> • Wavelength: Rx 1260 nm (min), 1620 nm (max) • Optical Sensitivity: -10 dBm (min 12 Gbps), -14 dBm (min 3 Gbps) • Overload Power: -2 dBm (min)
Video Output Digital	<p>1x 12G-SDI BNC, SMPTE 259/292/424/2081/2082</p> <ul style="list-style-type: none"> • Single Link SD/HD/2K/UltraHD/4K • Single Link 3G-SDI Level A, B-DL, or B-DS, SMPTE 425
Cable Equalization	<p>(Belden 1694A coax)</p> <ul style="list-style-type: none"> • 12 Gbps, 65m • 6 Gbps, 125m • 3 Gbps, 190m • 1.5 Gbps, 200m • 270 Mbps, 405m
Audio Inputs and Outputs	<ul style="list-style-type: none"> • Balanced Analog Audio, 1x 25 pin D female connector on the converter, 4-channels in, 4-channels out • Breakout cable provided with 1x 25 pin D male connector: <ul style="list-style-type: none"> ◦ 4x XLR female input breakout connectors ◦ 4x XLR male output breakout connectors
Digital Audio Converters	<p>24-bit</p>
Embedded Audio	<ul style="list-style-type: none"> • SMPTE 272M (SD): 20-bit, 48 kHz synchronous • SMPTE 299M (12G/6G/3G/1.5G): 24-bit, 48 kHz synchronous • Incoming embedded audio can be passed, removed, or overridden • Up to 16 channels supported <p>Note: 2048x1080p/PsF 29.97 and 30 formats support a maximum of 8-channels embedded audio.</p>
Audio Latency	<ul style="list-style-type: none"> • Embed Path 1100 μsec • Disembed Path 1200 μsec
Analog Audio Levels	<p>Configured via Mini-Config software:</p> <ul style="list-style-type: none"> • Pro 1: 0 dBfs = +24 dBu • Pro 2: 0 dBfs = +18 dBu • Pro 3: 0 dBfs = +15 dBu • Consumer 1: 0 dBfs = +12 dBu

User Interface	<ul style="list-style-type: none">• External DIP switch• USB port used with Mini-Config software application to configure the device via PC/Mac
Size (w x d x h)	5.8" x 3.1" x 1.0" (147.32 x 78.74 x 25.4 mm)
Weight	0.6 lb (0.3 kg)
Power	+5-16VDC, 10 watts. power supply required, included with purchase
Environment	<ul style="list-style-type: none">• 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)