

## AJA 12G-AMA-T 4-Ch 12G-SDI Balanced Analog Audio Embedder/Disembedder with Single LC Fiber Transmitter

<b>Video Formats</b>	<ul style="list-style-type: none"> <li>• (4K) 4096x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (UltraHD) 3840x2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (2K) 2048x1080p 50, 59.94, 60</li> <li>• (HD) 1920x1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (HD) 1920x1080i 50, 59.94, 60</li> <li>• (HD) 1280x720p 50, 59.94, 60*</li> <li>• (SD) 625i 50</li> <li>• (SD) 525i 59.94</li> <li>• RGB and YCbCr, 4:4:4/4:2:2, 10-bit</li> </ul> <p>*1280x720p is Level A Only  <b>Note:</b> Raster and frame rate dependent, please see 12G-AMA Video Formats in Documents and Manual.</p>
<b>Video Input Digital</b>	<p>1x 12G-SDI BNC, SMPTE 259/292/424/2081/2082</p> <ul style="list-style-type: none"> <li>• Single Link SD/HD/2K/UltraHD/4K</li> <li>• Single Link 3G-SDI Level A, B-DL, or B-DS, SMPTE 425</li> </ul>
<b>Video Output Digital</b>	<p>1x 12G-SDI BNC, SMPTE 259/292/424/2081/2082</p> <ul style="list-style-type: none"> <li>• Single Link SD/HD/2K/UltraHD/4K</li> <li>• Single Link 3G-SDI Level A, B-DL, or B-DS, SMPTE 425</li> </ul>
<b>Fiber Output</b>	<p>1x 12G-SDI Fiber LC connector, SMPTE 297/259/292/424/2081/2082</p> <ul style="list-style-type: none"> <li>• Nominal Wavelength: Tx 1260 nm (min), 1310 nm (typ), 1360 nm (max)</li> <li>• Optical Power: -5 dBm (min), 0.5 dBm (max)</li> <li>• Extinction Ratio: 5.4 dB (min)</li> </ul>
<b>Cable Equalization</b>	<p>(Belden 1694A coax)</p> <ul style="list-style-type: none"> <li>• 12 Gbps, 65m</li> <li>• 6 Gbps, 125m</li> <li>• 3 Gbps, 190m</li> <li>• 1.5 Gbps, 200m</li> <li>• 270 Mbps, 405m</li> </ul>
<b>Audio Inputs and Outputs</b>	<ul style="list-style-type: none"> <li>• Balanced Analog Audio, 1x 25 pin D female connector on the converter, 4-channels in, 4-channels out</li> <li>• Breakout cable provided with 1x 25 pin D male connector: <ul style="list-style-type: none"> <li>◦ 4x XLR female input breakout connectors</li> <li>◦ 4x XLR male output breakout connectors</li> </ul> </li> </ul>
<b>Digital Audio Converters</b>	<p>24-bit</p>
<b>Embedded Audio</b>	<ul style="list-style-type: none"> <li>• SMPTE 272M (SD): 20-bit, 48 kHz synchronous</li> <li>• SMPTE 299M (12G/6G/3G/1.5G): 24-bit, 48 kHz synchronous</li> <li>• Incoming embedded audio can be passed, removed, or overridden</li> <li>• Up to 16 channels supported</li> </ul> <p><b>Note:</b> 2048x1080p/PsF 29.97 and 30 formats support a maximum of 8-channels embedded audio.</p>
<b>Audio Latency</b>	<ul style="list-style-type: none"> <li>• Embed Path 1100 <math>\mu</math>sec</li> <li>• Disembed Path 1200 <math>\mu</math>sec</li> </ul>
<b>Analog Audio Levels</b>	<p>Configured via Mini-Config software:</p> <ul style="list-style-type: none"> <li>• Pro 1: 0 dBfs = +24 dBu</li> <li>• Pro 2: 0 dBfs = +18 dBu</li> <li>• Pro 3: 0 dBfs = +15 dBu</li> <li>• Consumer 1: 0 dBfs = +12 dBu</li> </ul>

<b>User Interface</b>	<ul style="list-style-type: none"><li>• External DIP switch</li><li>• USB port used with Mini-Config software application to configure the device via PC/Mac</li></ul>
<b>Size (w x d x h)</b>	5.8" x 3.1" x 1.0" (147.32 x 78.74 x 25.4 mm)
<b>Weight</b>	0.6 lb (0.3 kg)
<b>Power</b>	+5-16VDC, 10 watts. power supply required, included with purchase
<b>Environment</b>	<ul style="list-style-type: none"><li>• Safe Operating Temperature: 0 to 40 C (32 to 104 F)</li><li>• Safe Storage Temperature (Power OFF): -40 to 60 C (-40 to 140 F)</li><li>• Operating Relative Humidity: 10-90% noncondensing</li><li>• Operating Altitude: &lt;3,000 meters (&lt;10,000 feet)</li></ul>