

## AJA HA5-12G-T-ST HDMI 2.0 to 12G-SDI Conversion with ST Fiber Transmitter

<b>Video Formats</b>	<ul style="list-style-type: none"> <li>• (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>• (HD) 1920 x 1080i 50, 59.94, 60</li> <li>• (HD) 1280 x 720p 50, 59.94, 60</li> <li>• (SD) 720 x 576p 50</li> <li>• (SD) 720 x 576i 50</li> <li>• (SD) 720 x 480p 59.94</li> <li>• (SD) 720 x 480i 59.94</li> <li>• RGB and YCbCr, 4:4:4/4:2:2, 8, 10, 12-bit</li> </ul> <p><b>Note:</b> Raster and frame rate dependent, please see HA5-12G Video Formats in Documents and Manual.</p>
<b>Video Input Digital</b>	<ul style="list-style-type: none"> <li>• 1x HDMI Type A connector*, HDMI v2.0b</li> </ul>
<b>Video Output Formats</b>	<ul style="list-style-type: none"> <li>• 1x 12 Gb SDI             <ul style="list-style-type: none"> <li>◦ (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>◦ (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> </ul> </li> <li>• 1x 6 Gb SDI             <ul style="list-style-type: none"> <li>◦ (4K) 4096 x 2160p 23.98, 24, 25, 29.97, 30</li> <li>◦ (UltraHD) 3840 x 2160p 23.98, 24, 25, 29.97, 30</li> </ul> </li> <li>• 1x 3 Gb SDI (Level A or B-Dual Link)             <ul style="list-style-type: none"> <li>◦ (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>◦ (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30, 50, 59.94, 60</li> <li>◦ (HD) 1920 x 1080i 50, 59.94, 60</li> <li>◦ (HD) 1280 x 720p* 50, 59.94, 60</li> </ul> </li> <li>• 1x 1.5 Gb SDI             <ul style="list-style-type: none"> <li>◦ (2K) 2048 x 1080p 23.98, 24, 25, 29.97, 30</li> <li>◦ (HD) 1920 x 1080p 23.98, 24, 25, 29.97, 30</li> <li>◦ (HD) 1920 x 1080i 50, 59.94, 60</li> <li>◦ (HD) 1280 x 720p 50, 59.94, 60</li> </ul> </li> <li>• 1x 270 Mb SDI             <ul style="list-style-type: none"> <li>◦ (SD) 625i 50</li> <li>◦ (SD) 525i 59.94</li> </ul> </li> <li>• RGB and YCbCr, 4:4:4/4:2:2/, 8, 10, 12-bit</li> </ul> <p>*1280 x 720p is Level A Only</p> <p><b>Note:</b> Raster and Frame Rate Dependent, please see HA5-12G Video Formats in Documents and Manual.</p>
<b>Video Output Digital</b>	<ul style="list-style-type: none"> <li>• 1x 12G-SDI BNC, SMPTE 259/292/424/2081/2082             <ul style="list-style-type: none"> <li>◦ Single Link SD/HD/2K/UltraHD/4K</li> </ul> </li> </ul>
<b>Fiber Output</b>	<p>1x 12G-SDI Fiber ST connector, SMPTE 297/259/292/424/2081/2082</p> <ul style="list-style-type: none"> <li>• Nominal Wavelength: Tx 1260 nm (min), 1360 nm (typ), 1360 nm (max)</li> <li>• Optical Power: -5 dBm (min), 2 dBm (max)</li> <li>• Extinction Ratio: 3.4 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 Input Digital</b>	<p>HDMI embedded audio, 24-bit, 8-channel</p>

<b>Audio Input Analog</b>	2x RCA style connector, 2-channel -10dBu (nominal)
<b>Audio Output Digital</b>	SDI embedded audio, 24-bit, 8-channel
<b>User Interface</b>	<ul style="list-style-type: none"> <li>• USB port used with supplied cable and Mini-Config software application to configure and view device status via Mac or Windows</li> </ul>
<b>Size (w x d x h)</b>	<ul style="list-style-type: none"> <li>• 4.6" x 4.02" x 0.9" (116.84 x 102.11 x 22.86 mm)</li> </ul>
<b>Weight</b>	<ul style="list-style-type: none"> <li>• 0.5 lb (0.3 kg)</li> </ul>
<b>Power</b>	<ul style="list-style-type: none"> <li>• 5-16VDC regulated, 11 watts, power supply required included with purchase</li> <li>• AC Adapter: 100-240VAC, 50/60 Hz, universal input</li> </ul>
<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> <p>*HA5-12G, HA5-12G-T, and HA5-12G-T-ST each use approximately 12 watts of power and convection cooling. It will be 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 HA5-12G converters with other Mini-Converters.</p>