

Product Spec Sheet from Rentex

AJA 3G-AMA 3G-SDI 4-Channel Analog Audio Embedder/Disembedder Mini-Converter

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Rentex Product No. XVP2230



Mfr Part No. 3G-AMA

The 3G-AMA is a 4-Channel analog audio Embedder/Disembedder with support for 3G-SDI input and output up to 1080p 60. Audio disembedding is always functional, providing 4 analog outputs. Audio embedding is user selectable, on a channel pair basis, to either pass 3G-SDI input audio or to embed input analog audio from the breakout cable. Analog audio levels are selectable. The 3G-AMA automatically detects and configures to the input video standard.

Features

- Embed XLR Audio in an SDI Signal
- Disembed SDI Audio to Analog XLR Audio
- Works with AJA MiniConfig Software
- Dipswitch configuration
- Re-Clocked SDI Output

Detailed Specifications

Video Input	1 x SDI (BNC): SD SMPTE 259M; HD SMPTE 292/296M; 3G SMPTE 424/425M	Audio I/O	1 x DB-25 for 4 channels I/O
Input Formats	3G-SDI: 2048x1080p 23.98/24/25/29.97/30/50/59.94/60; 2048x1080psf 23.98/24/25/29.97/30; 1920x1080p 23.98/24/25/29.97/30/50/59.94/60; 1920x1080psf 23.98/24/25/29.97/30; 1920x1080i 25/29.97/30; 1280x720p 50/59.94/60; HD-SDI: 2048x1080p 23.98/24/25/29.97/30; 2048x1080psf 23.98/24/25/29.97/30; 1920x1080p 23.98/24/25/29.97/30; 1920x1080psf 23.98/24/25/29.97/30; 1920x1080i 25/29.97/30; 1280x720p 23.98/24/25/29.97/30/50/59.94/60 SD-SDI: 525i; 625i	Audio Converters	24-bit
Video Output	1 x SDI (BNC)	Embedded Audio	SMPTE 272M (SD): 20-bit, 48 kHz synchronous SMPTE 299M (3G/HD): 24-bit, 48 kHz synchronous Incoming embedded audio can be passed, removed, or overridden. Up to 16 channels supported. <i>NOTE: 2048x1080p/psf 29.97 and 30 formats support a max of 8 channels embedded audio.</i>
Output Formats	Video Out is a delayed, reclocked version of Video in, at same frame rate, etc. Video Out is undefined when no input.	Audio Latency	Embed from audio input: 1100 µsec Disembed from video input: 1200 µsec
Video Latency:	SD-SDI - 17.2 µsec HD-SDI - 6.3 µsec 3G-SDI level A - 3.2 µsec 3G-SDI level B - 6.1 µsec	Audio Level Control	Settings Configured via MiniConfig Software: 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 Controls	External DIP switch USB port for MiniConfig software application
		Power	5 to 20 VDC, 5 W
		Dimensions (WxDxH)	5.8 x 3.1 x 1" / 147 x 79 x 25 mm