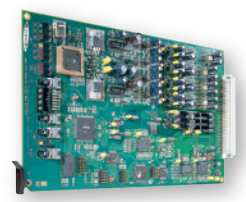


AMX-101i

Analog Audio Embedder



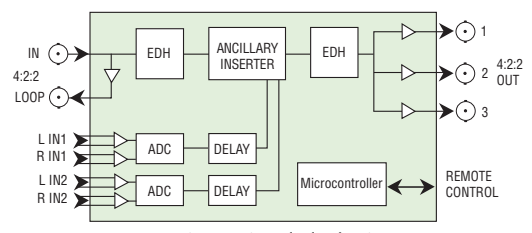
The AMX-101i is a high-quality, high-performance analog audio multiplexer/embedder designed to insert two 20-bit sampled analog audio stereo signals into a single SDI (SMPTE 259M-C) signal. The AMX-101i has a built-in color bar and audio tone test signal generators and provides automatic 525/625 input detection. In addition, this module supports full EDH monitoring and insertion, audio input level control, audio channel swapping and programmable audio delay (in one frame increments).

Key Features and Benefits

- SDI input with active loop-through
- 3 SDI outputs
- 2 stereo/4 monaural analog audio inputs
- 20-bit analog to digital conversion
- -7 to +24 dBu input level range
- Channel swap capabilities
- Programmable audio delay
- EDH monitoring and insertion



AMX-101i Back (Symphonie-R-A75 and Quartet-A-75)



AMX-101i Functional Block Diagram

Technical Specifications

INPUT	OUTPUT	PROCESSING PERFORMANCE	DISTORTION:
VIDEO SIGNAL: SMPTE 259M-C (270 Mbps) with active loop-through	VIDEO SIGNAL (3): SMPTE 259M-C (270 Mbps)	VIDEO SIGNAL PATH: 10 bits	< -95 dB (0.002%) @ +23 dBu
CABLE LENGTH: 250 m (850') (Belden 8281)	RETURN LOSS: >15 dB up to 270 MHz	PROCESSING DELAY: 1.5 μs	CROSSTALK: < -105 dB (20 Hz to 20 kHz)
RETURN LOSS: >15 dB up to 270 MHz	JITTER: < 0.2 UI (0.74 ns) p-p	TEST SIGNAL: 75% color bars with 100% white	PASS BAND: ±0.1 dB (20 Hz to 20 kHz)
AUDIO SIGNAL: 2 stereo/4 monaural balanced analog audio		AUDIO QUANTIZATION: 20 bits	PROCESSING DELAY: 400 μs
TERMINATION: 600 Ω / 20 kΩ (jumper selectable)		SAMPLING: 48 kHz (64X oversampling)	AUDIO DELAY: 0-10 video frames in 1 frame increments
LEVEL RANGE: -7 to +24 dBu		DYNAMIC RANGE: > 110 dB	TEST SIGNAL: 1 kHz sine wave
			POWER: 6 W

Ordering Information

AMX-101i	Analog Audio Embedder
Housing Frames:	Symphonie*, Quartet 2*, Quartet-A-75
*Rear Modules:	Symphonie-R-A75
Remote Control:	
iControl	Remote Control and Monitoring
iControl Solo	Stand-alone Remote Control Software
RCP-100	Remote Control Panel
Accessories:	
NSH15M	Terminal Block Adaptor For HD-15 Connections