

HD/SD-SDI Audio De-embedder with 4 Unbalanced AES Outputs



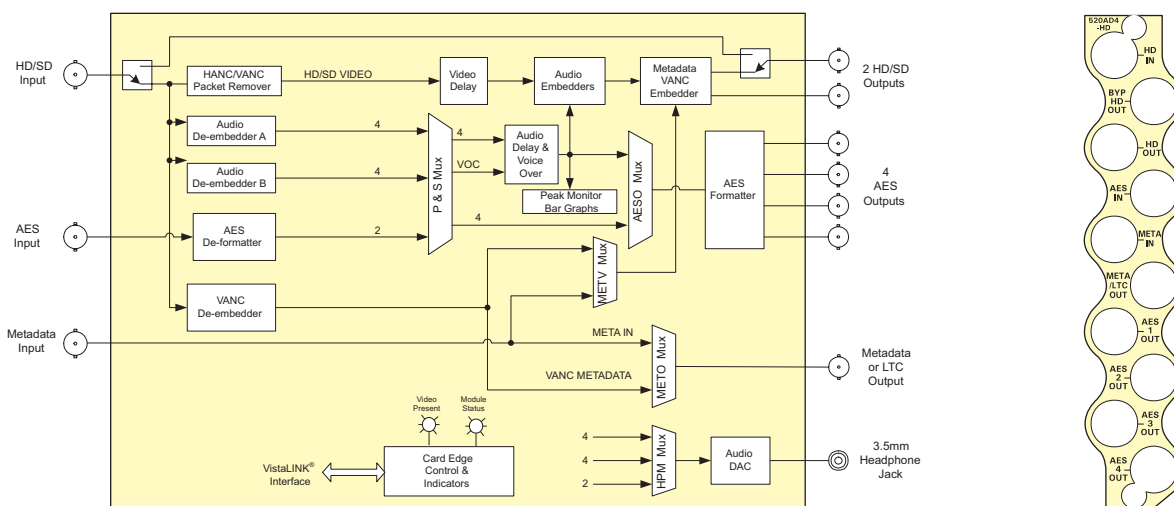
Up to 8 selected channels may be delayed up to 3 seconds and re-embedded onto the output video and/or directed to 4 unbalanced AES outputs. An extra AES input is provided as a backup channel, in case of the loss of primary, or as the source of voice-over. The video output may also be delayed up to 5 frames to achieve lip sync with the audio.

VistaLINK® enables control and configuration capabilities via Simple Network Management Protocol (SNMP). This offers the flexibility to manage the module status monitoring and configuration from SNMP enabled control systems such as Evertz VistaLINK® PRO locally or remotely.

The 520AD4-HD is housed in the 3RU 500FR **exponent** frame that will hold up to 16 modules.

- Supports SMPTE 292M (1.5Gb/s) or SMPTE 259M (270Mb/s) serial digital video signals
- Video input relay bypass for power failure bypass protection.
- AES input for backup/voice-over source
- 2 processed video outputs
- 4 AES de-embedded and processed outputs
- 1 Dolby Metadata output (RS-422/485)
- De-embeds and re-embeds 2 audio groups - user-selectable
- Selectable audio sources for AES and embedded outputs

- Adjustable video (up to 7 frames) and audio delay (up to 3 seconds) to achieve lip sync at output
- Headphone jack with monitoring stereo down-mix
- Card edge LEDs for module status, Video and Audio present
- Card edge display for card status & audio channel peak levels bar graphs
- Configurable Dolby Metadata input and output
- VistaLINK® capable for remote monitoring via SNMP (using VistaLINK® PRO) when installed in 500FC frame with 500FC VistaLINK® Frame Controller



Serial Video Input:

Standard: SMPTE 292M, 1080i/60, 1080i/59.94, 1080i/50, 1080p/30 (sF), 1080p/29.97 (sF), 1080p/25 (sF), 1080/24 (sF), 1080/23.98 (sF), 720p/50, 720p/60, 720p/59.94, 1035i/60, 1035i/59.94

SMPTE 259M-C (270Mb/s) 525 or 625 line component

Number of Inputs: 1

Connector: BNC per IEC 61169-8 Annex A

Equalization: Automatic > 200m @ 270Mb/s with Belden 8281 (or equivalent), 25m with bypass relay installed

AES Input:	
Standard:	SMPT E 276M
Number of Inputs:	1
Connector:	BNC per IEC 61169-8 Annex A
Input Level:	0.1 to 2.5V p-p
Input Impedance:	75Ω
Return Loss:	> 25dB 100kHz to 6MHz
Equalization:	Automatic to 1000m with Belden 1694A (or equivalent) @ 48kHz AES signal
Sample Rate:	48kHz ±100ppm

AES Audio Output:
 Standard: SMPTE 276M, single ended AES
 Number of Outputs: 4
 Connector: BNC per IEC 61169-8 Annex A
 Sample Rate: 48kHz
 Impedance: 75Ω
 Resolution: Up to 24-bit

Metadata Input:
 Type: Dolby-E® Metadata SMPTE RDD6
 Connector: 1 BNC per IEC 61169-8 Annex A
 Baud Rate: 115.200 baud

System Performance:
Embedding Latency: 600 μ s nominal
Audio Delay Range: 0 to 3 seconds

Electrical:
Voltage: +12V DC
Power: 10W
EMI/RFI: Complies with FCC Part 15 Class A,
EU EMC Directive

Physical:
Number of Slots: 1

520AD4-HD HD/SD-SDI Audio De-embedder with 4 Unbalanced AES Outputs

exponent
Compact High Density Distribution Frame
Standalone enclosure