

## HD/SD Embedding / De-Embedding A/V Processing and Dolby®E

The AD323 is a HD/SD embedder/de-embedder with sample rate conversion, audio level, channel phase inversion, channel mapping and video level controls.

Audio processing is at 24-bit audio processing with sixteen AES inputs, eight analogue audio inputs, sixteen AES outputs with sixteen channels of audio de-embedding

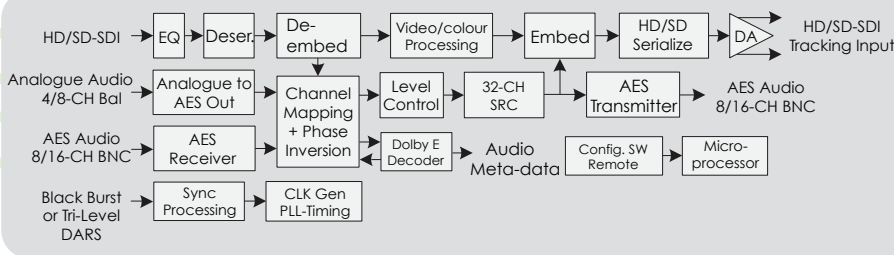
and embedding, with sixteen channels of SRC allowing retiming of the audio. Full user remote and local digital proc. control, with user memory allows digital adjustment of gain, DC offset, saturation and hue, audio levels, audio mapping and audio phase inversion. Factory presets enable a return to factory settings.

## Audio Embedders/ De-embedders Features

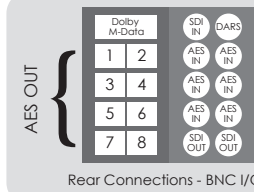
- HD/SD universal Digital inputs
- Sixteen channels of de-embedding and embedding
- Eight analogue audio inputs with 24-bit conversion
- 24-bit embedded audio processing
- Audio channel mapping phase inversion and level control
- Sixteen channels of sample rate conversion
- Dolby® E decoder option with meta-data output
- Video level controls
- Internal colour bar and tone generator
- Local or remote user controls
- Five year warranty

Features and specifications subject to change without notice

AD323 - Block Diagram



RM-AED323-F Rear Con.



Rear Connections - BNC I/O

## Specifications

### HD/SD-SDI Input

SMPT E 292 and 259M

### Digital Output

Two HD/SD-SDI with EDH

### Return Loss

> 15 dB

### Output Jitter

< 0.20 UI measured with colour bar input

### Proc. Control

Digital control of gain, DC, saturation & hue and audio levels, mapping and CH inversion

### Audio Analogue Input

8-CH balanced differential to +24dB

### AES Input

16-CH unbalanced BNC

### AES Output

16-CH unbalanced BNC

### Embedding

16-CH HD/SD

### SRC

32-CH 142 dB S/N

### Audio Conv/Proc.

24 bits all modes

### A/D Freq Resp.

20-20KHz +/- 0.25 dB

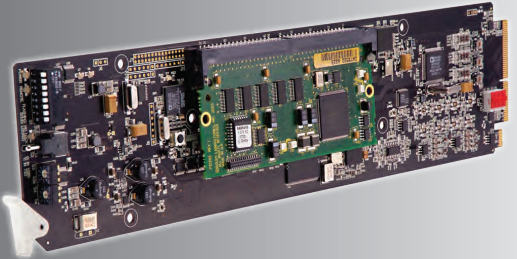
### Level Control

Mute to +100 dB

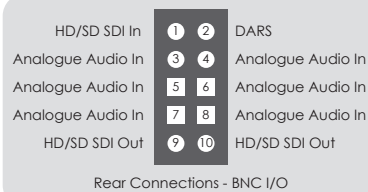
### Power

8 watts

For use with openGear™ frames

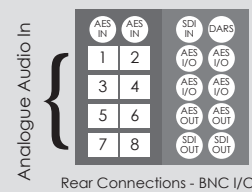


RM-AED323-B Rear Con.



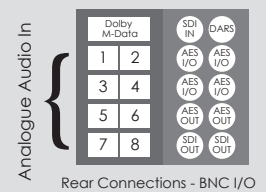
Rear Connections - BNC I/O

RM-AED323-C Rear Con.



Rear Connections - BNC I/O

RM-AED323-E Rear Con.



Rear Connections - BNC I/O



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