

HD/SD-SDI Audio Embedding with A/V Processing

The AE321 is a HD/SD audio embedder with sixteen channels of AES inputs and eight channels of analogue audio input. Audio levels, mapping, phase inversion and video input levels can be adjusted both remotely and locally. All audio processing and conver-

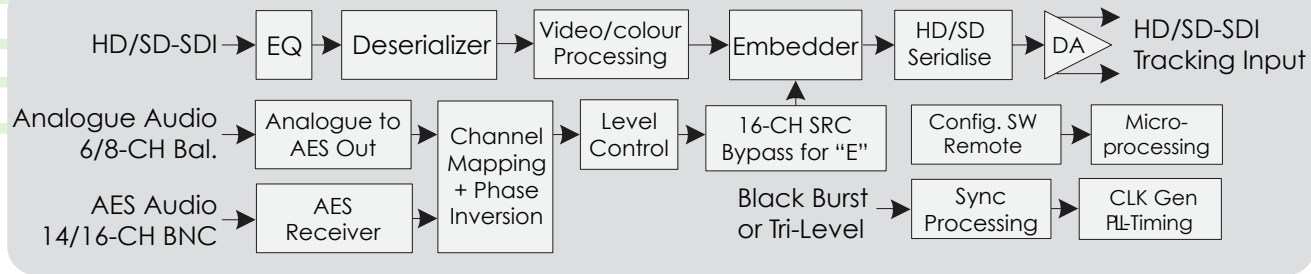
sion is at 24-bits with sixteen channels of sample rate conversion (SRC). Dolby® E signals bypass the SRC under automatic or manual modes. The output SDI signal is dejittered.

Audio Embedders/De-embedders Features

- Sixteen channels of AES embedding
- Eight channels of analogue audio embedding
- Sixteen channels of sample rate conversion with Dolby® E detection and bypass
- Audio channel mapping and level control
- Video level controls
- 24-bit audio processing
- Internal tone generator
- Local or remote user configuration and processing controls

Features and specifications subject to change without notice

AE321 - Block Diagram



Specifications

HD/SD-SDI Input

SMPTE 292 and 259M

Digital Output

Two HD/SD-SDI with EDH

D. 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

AES Input

16-CH Unbalanced BNC

Embedding

16-CH HD/SD

SRC

24-CH 142 dB S/N

Audio Conv./Proc.

24-bit in all modes

A/D Freq Resp.

20-20KHz +/- 0.25 dB

Audio Analogue Input

8-CH Balanced differential to +24dBu

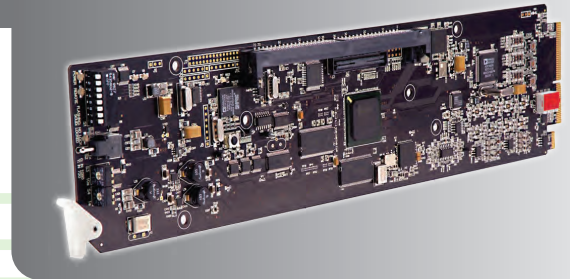
Level Control

Mute to +100 dB

Power

7 watts

For use with openGear™ frames



RM-AE321-B Rear Con.

HD/SD-SDI In	1	2	N/C
Analogue Audio In	3	4	Analogue Audio In
Analogue Audio In	5	6	Analogue Audio In
Analogue Audio In	7	8	Analogue Audio In
HD/SD-SDI Out	9	10	HD/SD-SDI Out

Rear Connections - BNC I/O

RM-AE321-D Rear Con.

HD/SD-SDI In	1	2	AES In
AES In	3	4	AES In
AES In	5	6	AES In
AES In	7	8	AES In
HD/SD-SDI Out	9	10	HD/SD-SDI Out

Rear Connections - BNC I/O

RM-AE321-C Rear Con.

Analogue Audio In	AES IN	AES IN	SDI IN	N/C
	3	4	AES IN	AES IN
	5	6	AES IN	AES IN
	7	8	AES IN	AES IN
	9	10	SDI OUT	SDI OUT

Rear Connections - BNC I/O



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