9323

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





The 9323 is a HD/SD embedder/de-embedder with sample rate conversion, audio level, channel phase inversion, channel mapping and video level controls.

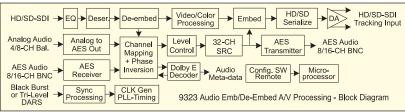
Audio processing is at 24-bit audio processing with sixteen AES inputs, eight analog audio inputs, sixteen AES outputs with sixteen channels of audio de-embedding and embedding, with sixteen channels of SRC allowing retiming of the audio.

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.

Features

- HD/SD universal Digital inputs
- Sixteen channels of de-embedding and embedding
- Eight analog 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 color bar and tone generator
- Local or remote user controls
- Five year warranty

9323 Block Diagram



9323 Rear Connections



HD/SD-SDI In	1	2	DARS	
AES Out	3	4	AES Out	
AES In/Out	5	6	AES In/Out	
AES In/Out	7	8	AES In/Out	
HD/SD-SDI Out	9	10	HD/SD-SDI Out	
Rear Connection - BNC I/O				



	AES (AES IN	(SDI IN)	DARS	
	AES OUT	AES OUT	AES	AES IN	
	AES OUT	AES OUT	(AES IN	(AES)	
	AES OUT	AES	(AES IN)	(AES)	
	AES OUT	AES	SDI	SDI	
Rear Connection - BNC I/O					

Dolby M-Data Analog Audio In Analog Audio In	SDI DARS (AES JO AES JO	
Analog Audio In Analog Audio In	AES I/O AES I/O	
Analog Audio In Audio In	(AES OUT OUT)	
Analog Audio In Audio In	SDI SDI OUT	
Rear Connection - BNC I/O		

	Dolby M-Data AES OUT AES OUT AES OUT AES OUT AES OUT AES OUT	SDI DARS AES AES NIN AES NIN AES NIN OUT OUT	
Rear Connection - BNC I/O			

Specifications

HD/SD-SDI Input

SMPTE 292 and 259M

Digital Output

Two HD/SD-SDI with EDH

Return Loss

> 15 dB

Output Jitter

< 0.20 UI measured with color bar input

Proc. Control

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

Analog 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