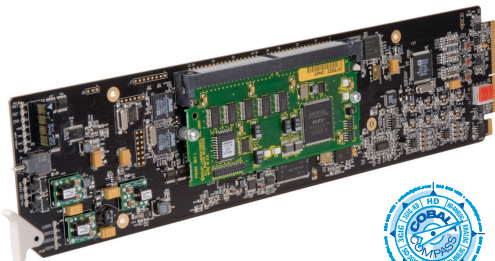


# 9321 » HD/SD EMBEDDER

## OPTIONS

Dolby® Digital/E Decoding (+DEC), Audio Mixing (+AMx), Loudness Metering (+LM-C), Linear Acoustic® Upmixing (+UM), LTC In/Out (+LTC)



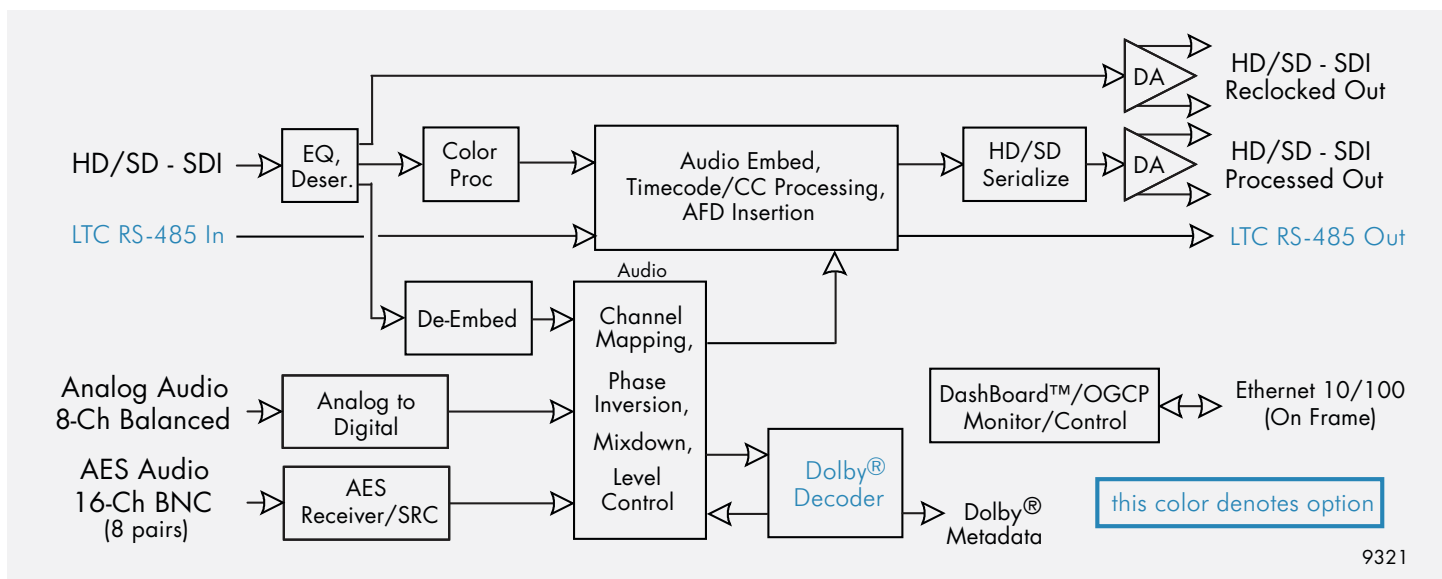
In addition to providing 24-bit basic audio embedding of up to eight analog and 16 AES input channels, the 9321 offers AFD code insertion, full timecode control, and video proc features. Advanced audio features such as AES Sample Rate Converters allow error-free audio embedding from external asynchronous sources.

Timecode can be inserted on the SDI output from selectable sources such as SDI VITC waveform and SD/HD ATC\_VITC/ATC\_LTC. +LTC option allows LTC input/output on shared port, with bi-directional conversion between VBI and LTC on RS-485 or any audio I/O.

The 9321 features full user remote and card-edge controls for audio levels and routing, video proc, and other functions. Factory presets enable a return to factory settings.

## » FEATURES

HD/SD universal digital inputs	Audio channel mapping phase inversion and level control	Dolby® Digital/E decoder option with metadata output	Remote control/monitoring via Dashboard™ software or OGCP-9000 remote control panel
16 channels of embedding	Four internal tone generators	Audio embed adaptive SRC allows asynchronous 48 kHz AES audio to automatically sync with card 48 kHz timing for glitch-free AES embedding	Five year warranty
Eight analog audio inputs with 24-bit conversion	Video proc controls		
24-bit embedded audio processing	Local or remote user controls		



## » ORDERING INFORMATION

**9321** HD/SD-SDI 16 Channel Audio Embedder with A/V Processing

**RM20-9321-A** 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input BNC, 4 AES Input BNCs, 2 HD/SD-SDI Output BNCs

**RM20-9321-A/S** 20-Slot Frame Rear I/O Module (Split) Dual HD/SD-SDI Input BNC, 1 Reclocked Output BNC per card, 2 AES Input BNC, 1 HD/SD-SDI Output BNCs per card

**RM20-9321-B** 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input BNC, 6 Analog Audio Inputs, 2 HD/SD-SDI Output BNCs

**RM20-9321-C** 20-Slot Frame Rear I/O Module (Double Width) HD/SD-SDI Input BNC, 8 Analog Audio Inputs, 8 AES Input BNCs, 2 HD/SD-SDI Output BNCs

**RM20-9321-D** 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input BNC, 7 AES Input BNCs, 2 HD/SD-SDI Output BNCs

**RM20-9321-E** 20-Slot Frame Rear I/O Module (Double Width) HD/SD-SDI Input BNC, 4 AES In BNCs, 8 Analog Audio In, 2 HD/SD-SDI Out BNCs, RS-485 LTC / Metadata I/O Port

**RM20-9321-F** 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input, 2 HD/SD-SDI Reclocked Outputs, 2 HD/SD-SDI Processed Outputs, 4 AES Inputs, RS-485 LTC / Metadata I/O Port

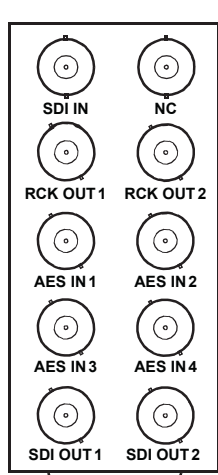
**RM20-9321-G** 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input BNC, 8 AES Input BNCs, HD/SD-SDI Output BNC



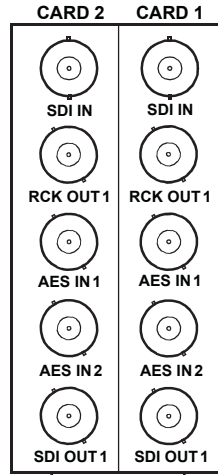
LINEAR ACOUSTIC



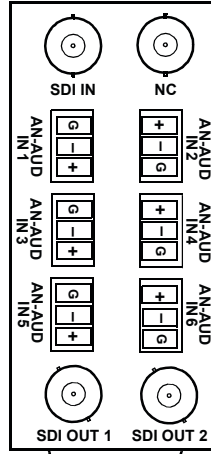
9321



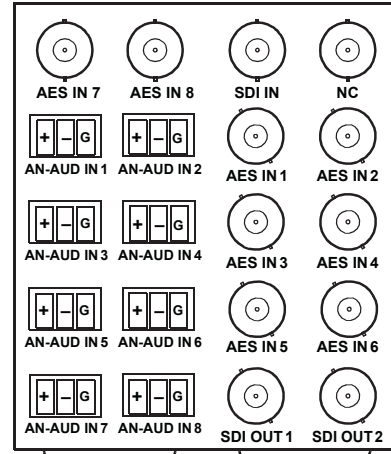
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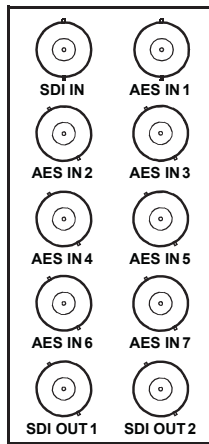
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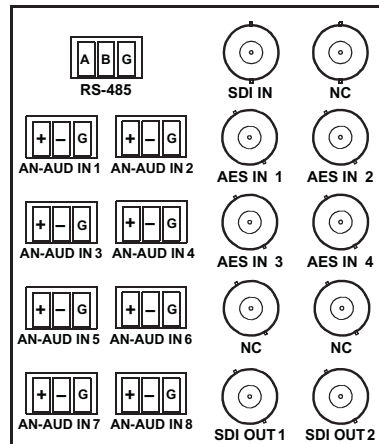
RM20-9321-B



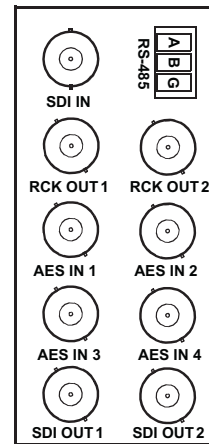
RM20-9321-C



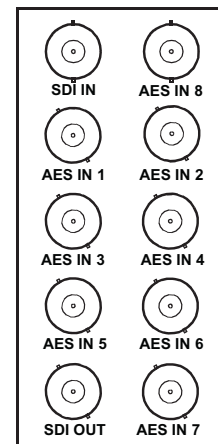
RM20-9321-D



RM20-9321-E



RM20-9321-F



RM20-9321-G

SPECIFICATIONS

Electrical

Power: 10 watts  
 Power (Dolby® +DEC option): 12.5 watts

HD/SD-SDI Input

Number of Inputs: 1  
 Standard: SMPTE 292 and 259M  
 Return Loss: >15 dB at 5 MHz - 1.485 GHz

AES Input

Number of Inputs: 16-Ch unbalanced BNC (nominal 48 kHz only)  
 Impedance: 75 Ω  
 Input Level: 0.1 V to 2.5 V p-p (5 V p-p tolerant)  
 Resolution: 24-bit

Analog Audio Input

Number of Inputs: 8-Ch Balanced  
 Connector: Removable 3-pin Phoenix  
 Signal Level: up to +24 dBu  
 Sample Rate: 48 kHz

HD/SD-SDI Output

Number of Outputs: 2 processed  
 2 reclocked  
 Standard: SMPTE 292 and 259M  
 Signal Level: 800 mV nominal  
 Return Loss: >15 dB at 5 MHz - 270 MHz  
 >12 dB at 270 MHz - 1.485 GHz  
 Jitter: HD: < 0.15 UI  
 SD: < 0.10 UI  
 Embedded Audio: 16-Ch SD/HD