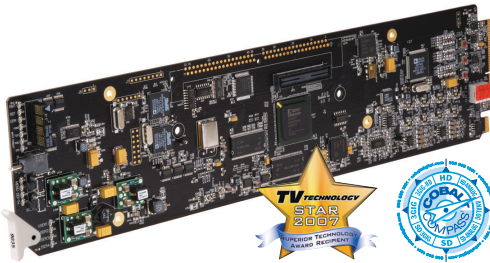


9035 » ANALOG AND SDI INPUT TO SDI OUTPUT CONVERTER

with Audio Embedding, Frame Sync



OPTIONS

Dolby® Digital/E Decoding (+DEC), Audio Mixing (+AMx), Loudness Metering (+LM-C), Linear Acoustic® Upmixing (+UM), LTC In/Out (+LTC) 9035-SD Input Processor: SD Analog and SD-SDI Input with Audio Embedding/De-Embedding and Frame Sync

The 9035 provides analog-to-SDI conversion for HD and SD sources, with 12-bit conversion bit depth, and also accepts an HD/SD-SDI input with audio embed/de-embed and routing. Additionally, the 9035 provides frame sync and audio embedding with a crosspoint that accepts up to 16 channels of discrete AES audio, and up to eight channels of balanced analog audio.

The 9035 allows AFD code insertion, closed captioning and timecode insertion from SDI, VITC waveform (SD analog). The 9035 includes full video proc control with user memory, full audio routing control, and frame sync. Frame sync can be used to delay video or audio-video offset for lip-sync alignment. Factory presets enable a return to factory settings.

» FEATURES

HD/SD universal analog and digital inputs

Differential analog video inputs for power hum rejection

5-Line adaptive comb filter for SD-Composite mode

Video proc controls

Analog and AES audio inputs and AES output

24-bit analog audio conversion

24-bit audio embedding or de-embedding

Timecode insertion/conversion from SDI input and analog video input sources. +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.

Audio channel mapping, downmixing, and level control

Frame sync with up to 13 frames of user adjustable delay

Audio embed adaptive SRC allows asynchronous 48 kHz AES audio to automatically sync with card 48 kHz timing for glitch-free AES embedding

AFD code insertion

16 user presets

Audio offset adjustment for lip-sync alignment

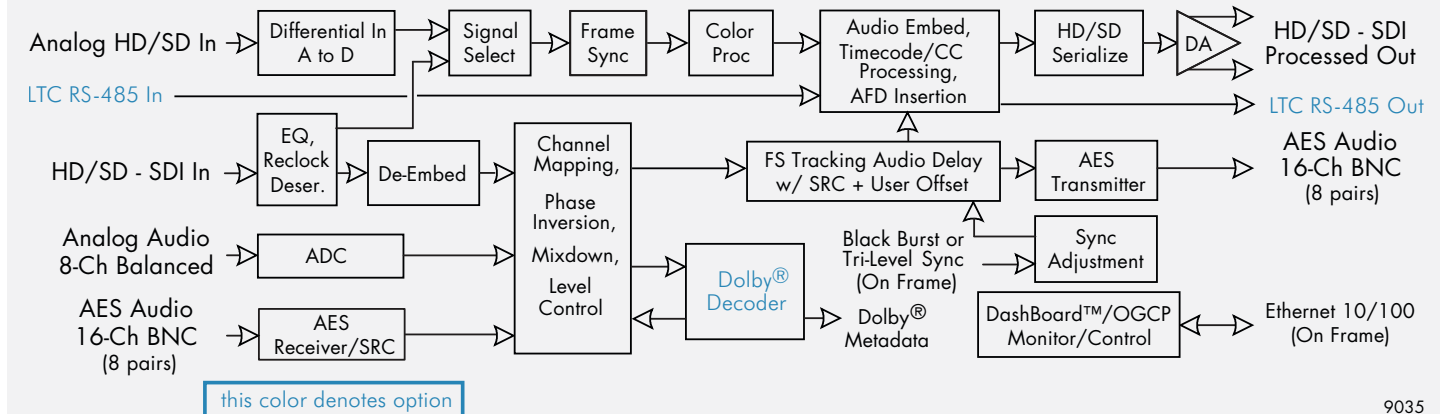
User offset to frame sync to align Dolby® delay

HD/SD closed captioning support and flexible timecode processing

Dolby® Digital/E decoder option with metadata output

Remote control/monitoring via DashBoard™ software or OGCP-9000 control panel

Five year warranty



9035

» ORDERING INFORMATION

9035 Input Processor: HD/SD Analog and HD/SD-SDI Input with Audio Embedding/De-Embedding and Frame Sync

9035-SD Input Processor: SD Analog and SD-SDI Input with Audio Embedding/De-Embedding and Frame Sync

RM20-9035-A 20-Slot Frame Rear I/O Module (Standard Width) Analog and Digital Video Input, 4 AES In/Out BNCs, and 2 SDI Output BNCs

RM20-9035-B 20-Slot Frame Rear I/O Module (Standard Width) Analog and Digital Video Input, 4 Analog Audio Inputs, and 2 SDI Output BNCs

RM20-9035-C 20-Slot Frame Rear I/O Module (Double Width) Analog and Digital Video Input, 2 AES In BNCs, 4 AES In/Out BNCs, 8 Analog Audio Inputs, 2 SDI Output BNCs

RM20-9035-D 20-Slot Frame Rear I/O Module (Double Width) Digital Video Input, 4 AES In BNCs, 4 AES In/Out BNCs, 8 AES Out BNCs, and 2 SDI Output BNCs

RM20-9035-E 20-Slot Frame Rear I/O Module (Double Width) Analog and Digital Video Input, 4 AES In BNCs, 4 AES In/Out BNCs, 6 AES Out BNCs, and 2 SDI Output BNCs

RM20-9035-F 20-Slot Frame Rear I/O Module (Double Width) Analog and Digital Video In, 4 AES In/Out BNCs, 8 Analog Audio In, RS-485 LTC / Metadata I/O Port, and 2 SDI Output BNCs

RM20-9035-G 20-Slot Frame Rear I/O Module (Triple Width) Analog and Digital Video In, 8 AES In BNCs, 8 AES Out BNCs, 8 Analog Audio In, and 2 SDI Output BNCs

RM20-9035-H 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input, 4 AES BNC In/Out, 2 HD/SD-SDI Reclocked Outputs, 2 HD/SD-SDI Processed Outputs, RS-485 LTC/Metadata I/O Port

RM20-9035-E-DIN 20-Slot Frame Rear I/O Module (Standard Width, High-Density) Analog and Digital Video Input, 4 AES In, 4 AES In/Out, 6 AES Out, and 2 SDI Output (all connectors DIN1.0/2.3)

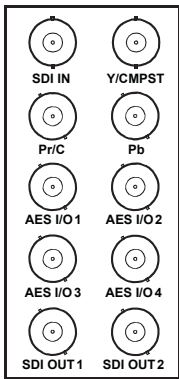
RM20-9035-E-HDBNC 20-Slot Frame Rear I/O Module (Standard Width, High-Density) Analog and Digital Video Input, 4 AES In, 4 AES In/Out, 6 AES Out, and 2 SDI Output (all connectors HDBNC)



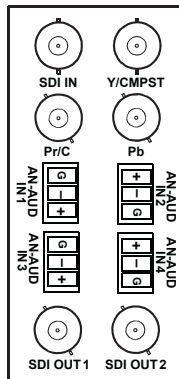
LINEAR ACOUSTIC



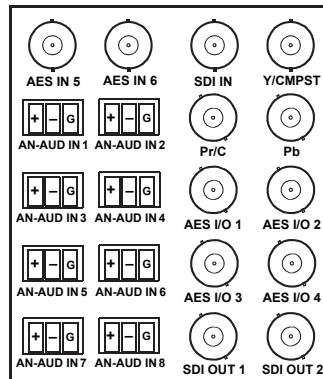
9035



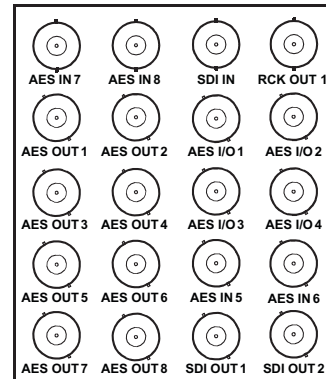
RM20-9035-A



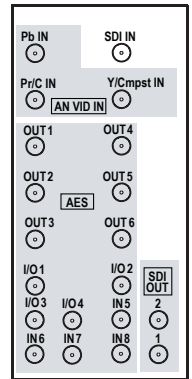
RM20-9035-B



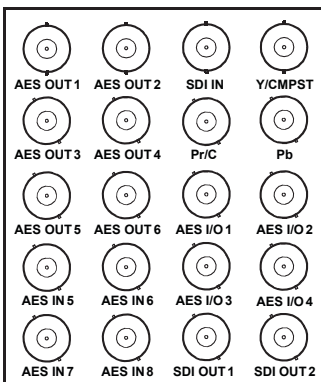
RM20-9035-C



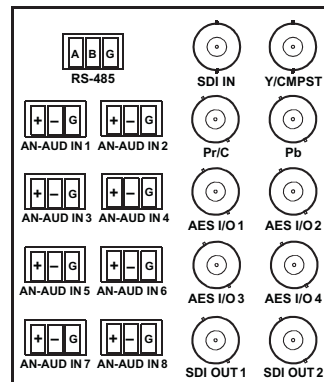
RM20-9035-D



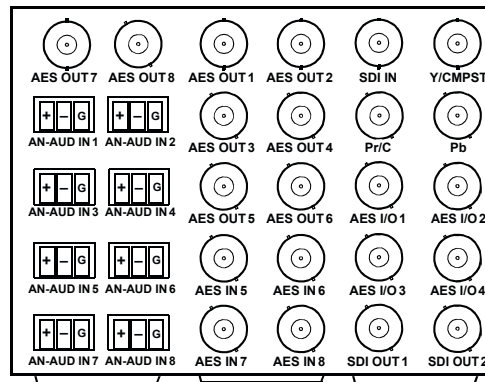
RM20-9035-E-DIN-HDBNC



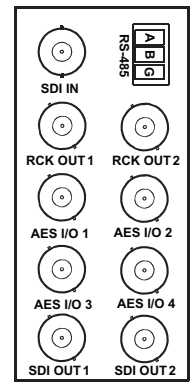
RM20-9035-E



RM20-9035-F



RM20-9035-G



RM20-9035-H

SPECIFICATIONS

Electrical

Power: 15 watts
Power (Dolby® +DEC option): 17.5 watts

HD/SD-SDI Input

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

Analog Video Input

HD Standard: YPbPr or RGB SMPTE
SD Standard: Composite, Y/C or Component (YPbPr BetaCam™, MII™ or SMPTE/N10)
Impedance: 75 Ω

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)

Analog Audio Input

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

Reference Video Input

Number of Inputs: 2 looping (openGear® frame)
Standard: Tri-level sync (SMPTE 274) and black burst (NTSC and PAL)

Processing

A/D Conversion: HD: 4:4:4 SD: 8:8:8
Quantization: 12-bit A to D and 10-bit video data path
SD Comb Filter: 5-line adaptive

Processing Delay

Minimum Frame Sync Delay: < 3 lines
Delay with FS disabled: < 3.5 μ

AES Output

Number of Outputs: 16-Ch unbalanced BNC
Impedance: 75 Ω
Sample Rate: 48 kHz
Resolution: 24-bit

HD/SD-SDI Output

Number of Outputs: 2
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