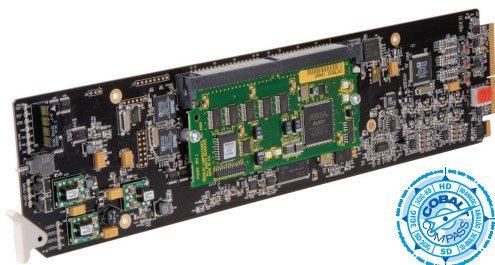


9085 » LOUDNESS PROCESSOR WITH EMBEDDER/DE-EMBEDDER

OPTIONS

Dolby® Decoding (+DEC), Dolby® Digital AC-3 Encoding (+ENCD), Dolby® E Encoding (+ENCE), Audio Mixing (+AMx), Loudness Metering (+LM-C), LTC In/Out (+LTC)

The 9085 features 24-bit audio processing that supports 16 AES input/output channels, 16 de-embedded channels from the SDI input, and eight analog audio inputs. 16 re-embedded channels and 16 AES output channels can be sourced from any of the inputs. Using Linear Acoustic® AEROMAX® technology, the card applies loudness control on up to six channels of audio from any embedded, AES, or analog inputs.



AEROMAX® algorithms use a sophisticated multiband approach to loudness processing. These algorithms can apply multifaceted loudness correction specifically targeted to various frequency ranges and other characteristics within the program material, resulting in audio free from abrupt loudness or image shifts while preserving more of the original content than previously possible. Because the card processes audio loudness locally and in sync with the video, loudness is processed without the accumulated latency delay found in other loudness processors. Full user remote and card-edge processing control allows adjustment of audio parametric control and routing. With multiple selectable presets, several loudness processing profiles offer the best loudness processing solution for various types of program material.

» FEATURES

Actively and automatically corrects irritating loudness level differences between programs and commercials

Delays video to match audio processing delay; introduces no audio-video delay shift

Flexible configuration: loudness control can be stereo or 5.1

Passes all audio channels

Sophisticated multiband processing

Set and forget operation with multiple loudness presets

8 analog audio inputs with 24-bit conversion

Timecode insertion/conversion. +LTC option allows LTC input/output on shared port, with bidirectional conversion between VBI and LTC on RS-485 or any audio I/O.

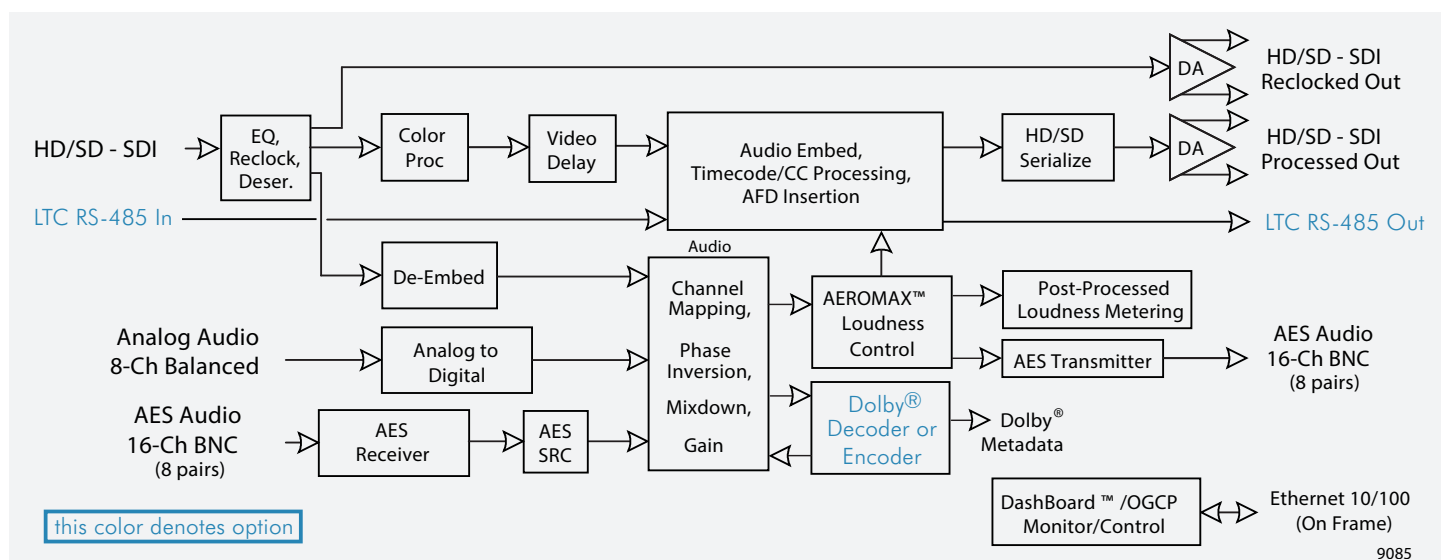
Audio embed adaptive SRC allows asynchronous 48 kHz AES audio to automatically sync with card 48 kHz timing for glitch-free AES embedding

24-bit embedded audio processing

Audio channel mapping, phase inversion, and level control

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

Five year warranty



» SPECIFICATIONS

Electrical

Power: 10 watts

Loudness Processing Configurations

5.1 Ch, 2.0 Ch (stereo), or 2 x 2.0 Ch (dual stereo)

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
Input Level: 0.1 V to 2.5 V p-p (5 V p-p tolerant)
Resolution: 24-bit

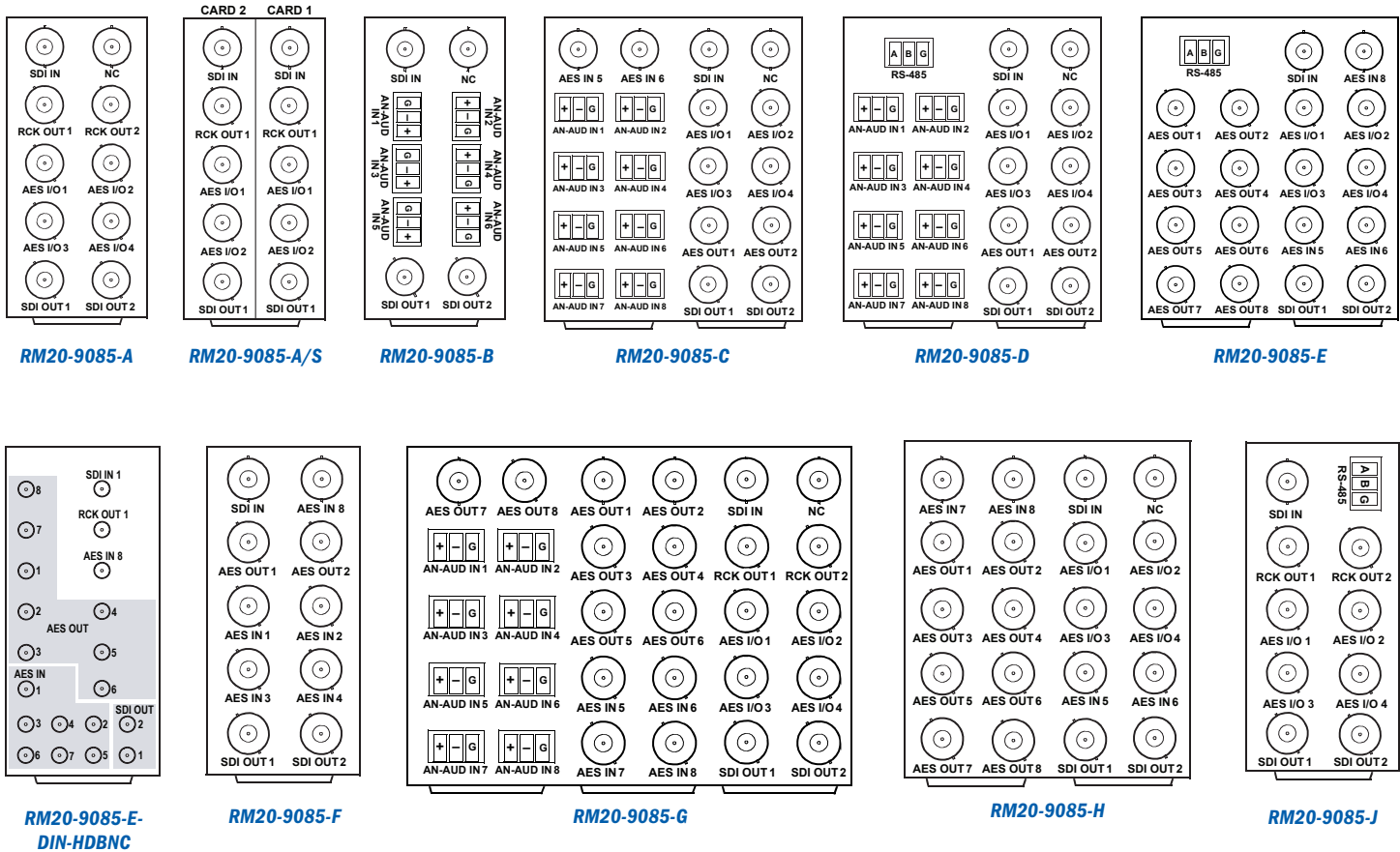
Analog Audio Input

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

9085



ORDERING INFORMATION

9085-LP 5.1 HD/SD-SDI Linear Acoustic® AEROMAX® 5.1 Channel Loudness Processor with Embedder/De-Embedder

9085-2LP 2.0 HD/SD-SDI Linear Acoustic® AEROMAX® 2.0 Dual Channel Loudness Processor with Embedder/De-Embedder

9085-LP 2.0 HD/SD-SDI Linear Acoustic® AEROMAX® 2.0 Channel Loudness Processor with Embedder/De-Embedder

RM20-9085-A 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input, 2 HD/SD-SDI Reclocked Outputs, AES BNCs: 4 In/Out, 2 HD/SD-SDI Output BNCs

RM20-9085-A/S 20-Slot Frame Rear I/O Module (Split) Dual HD/SD-SDI Input, 1 HD/SD-SDI Reclocked Output per card, AES BNCs: 2 In/Out per card, 1 HD/SD-SDI Output BNC per card

RM20-9085-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

RM20-9085-C 20-Slot Frame Rear I/O Module (Double Width) HD/SD-SDI Input, AES BNCs: 2 In, 4 In/Out, 2 Out, 8 Analog Audio Inputs, 2 HD/SD-SDI Output BNCs

RM20-9085-D 20-Slot Frame Rear I/O Module (Double Width) HD/SD-SDI In, AES BNCs: 4 In/Out, 2 Out, 8 Analog Audio In, 2 HD/SD-SDI Out BNCs, RS-485 LTC / Metadata I/O Port

RM20-9085-E 20-Slot Frame Rear I/O Module (Double Width) HD/SD-SDI Input, AES BNCs: 4 In/Out, 2 In, 8 Out, RS-485 LTC / Metadata I/O Port, 2 HD/SD-SDI Output BNCs

RM20-9085-F 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input, AES BNCs: 4 In/Out, 2 Out, 2 HD/SD-SDI Output BNCs

RM20-9085-G 20-Slot Frame Rear I/O Module (Triple Width) HD/SD-SDI Input, 2 HD/SD-SDI Reclocked Outputs, 8 AES In BNCs, 8 AES Out BNCs, 8 Analog Audio In BNCs, and 2 HD/SD-SDI Output BNCs

RM20-9085-H 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

RM20-9085-J 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

RM20-9085-E-DIN 20-Slot Frame Rear I/O Module (Standard Width, High Density) HD/SD-SDI Input, 8 AES Inputs, 8 AES Outputs, 2 HD/SD-SDI Outputs, 1 Reclocked HD/SD-SDI Output (All connectors DIN1.0/2.3)

RM20-9085-E-HDBNC 20-Slot Frame Rear I/O Module (Standard Width, High Density) HD/SD-SDI Input, 8 AES Inputs, 8 AES Outputs, 2 HD/SD-SDI Outputs, 1 Reclocked HD/SD-SDI Output (All connectors HD-BNC)



LINEAR ACOUSTIC

