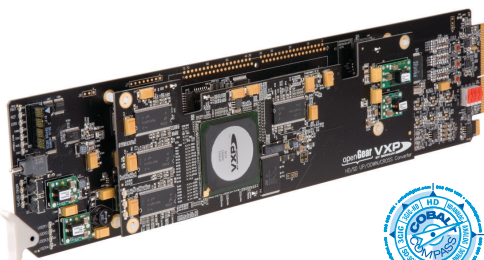


9066 » UP CONVERTER

with Analog/SDI Input, Audio Embed/De-Embed, Frame Sync, Timecode and Closed Caption Support

OPTIONS

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



The 9066 offers upconversion (including analog-to-digital conversions using 12-bit conversion depth), SD-SDI and analog video inputs, video proc, full audio embed/de-embed, crosspoint, and level control (with analog and AES discrete audio inputs), and frame sync with video/audio offset. The upconverter allows upconversion to several HD formats, or can pass SD video without conversion.

The 9066 also provides AFD functions that detect the incoming AFD code, allow independent custom ARC to be applied for each incoming AFD code, and set the desired AFD code to be inserted on the output, even if there is no code detected on the input. Closed captions and timecode are preserved through up conversions. CC data is decoded from line 21 and inserted into the SDI stream on a user-selectable line. The 9066 provides full user remote and card-edge proc control (with user memory) that allows adjustment of gain, offset, saturation/hue, audio levels, audio routing, frame sync, and many other controls. Factory presets enable a return to factory settings.

» FEATURES

SD analog and digital inputs

Differential analog video inputs for power hum rejection

5-line adaptive comb filter for SD-Composite mode

Upconversion and aspect ratio conversion

Detail enhancement and noise reduction
Selectable safe action, safe title, and center cross overlays

24-bit analog audio conversion

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.

Analog and AES audio inputs and AES output

24-bit audio embedding and de-embedding

Audio channel mapping, downmixing, and level control

Audio offset adjustment for lip-sync alignment

Frame sync with up to 13 frames of user adjustable delay

Closed captioning support and flexible timecode processing

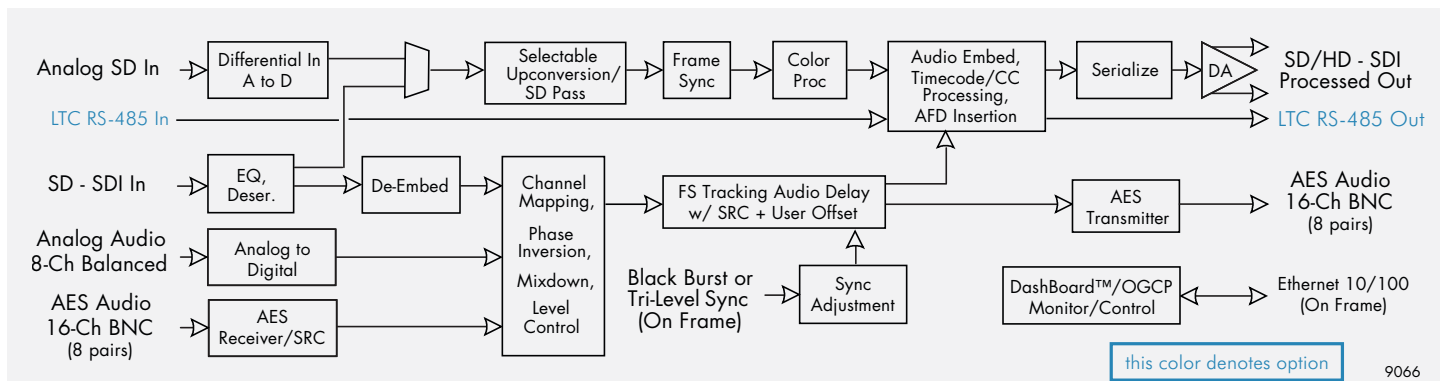
AFD code insertion and AFD ARC control

16 user presets

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

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



» ORDERING INFORMATION

9066 Upconverter with Analog/SDI Input, Audio Embed/De-Embed, Frame Sync, Timecode and Closed Caption Support

RM20-9066-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

RM20-9066-B 20-Slot Frame Rear I/O Module (Standard Width) Analog and Digital Video Input, 4 Analog Audio Inputs, and 2 SDI Output BNCs

RM20-9066-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, and 2 SDI Output BNCs

RM20-9066-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

RM20-9066-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

RM20-9066-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

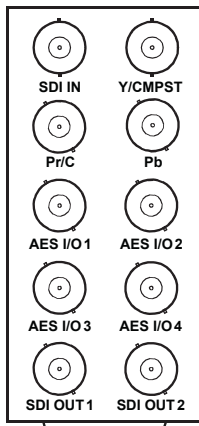
RM20-9066-G 20-Slot Frame Rear I/O Module (Triple Width) Analog and Digital Video In, 8 AES In BNCs, 8 AES Out BNCs, 8 Analog Audio In, and 2 SDI Output BNCs

RM20-9066-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)

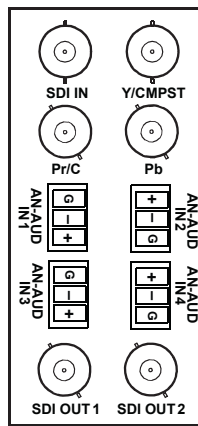
RM20-9066-E-HDBNC 20-Slot Frame Rear I/O Module (Standard Width, High-Density) Analog and Digital Video Input, 4 AES In, 4 AES In/Out, 6 AES Out, and 2 SDI Output (all connectors HDBNC)



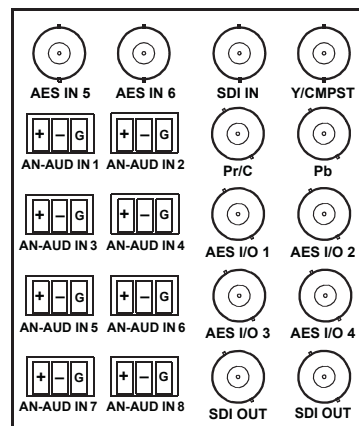
9066



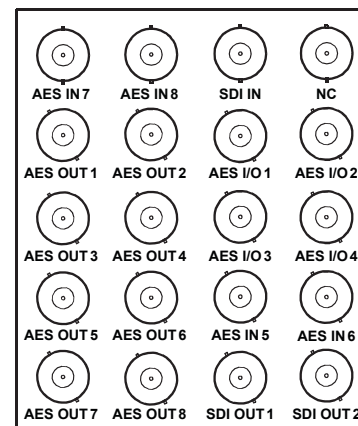
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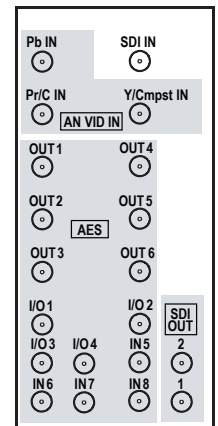
RM20-9066-B



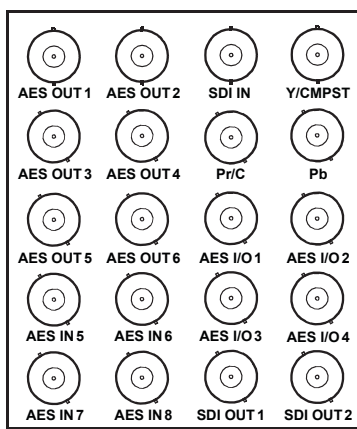
RM20-9066-C



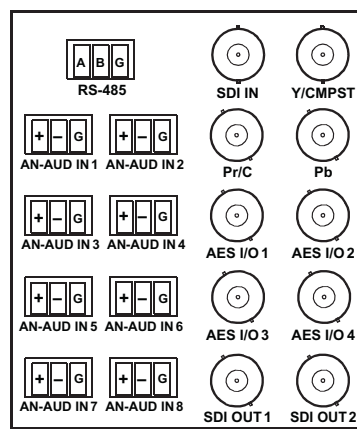
RM20-9066-D



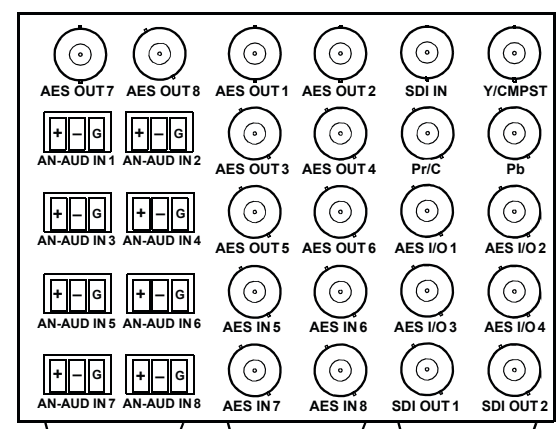
RM20-9066-E-DIN-HDBNC



RM20-9066-E



RM20-9066-F



RM20-9066-G

SPECIFICATIONS

Electrical

Power: 23 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)
Resolution: 24-bit

Analog Audio Input

Number of Inputs: 8-Ch balanced
Signal Level: up to +24 dBu
Sample Rate: 48 kHz

Reference Video Input

Number of Inputs: 2 looping (openGear® frame)
Standard: 12-bit A to D and 10-bit video data path 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
Freq. Response: HD: Y - 0-25 MHz +/- 0.3 dB
HD: Pb, Pr 0-13.5 MHz +/- 0.3 dB
SD: 5.2 MHz +/- 0.25 dB

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
HD: < 0.15 UI
SD: < 0.10 UI
Jitter: Embedded Audio: 16-Ch SD/HD