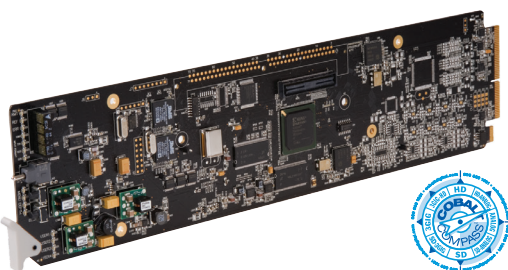


9084 » HD/SD-SDI RGB COLOR CORRECTOR

with YCbCr Video Processing and Frame Sync



The 9084 offers RGB-space color correction with YCbCr processing features and frame sync for HD/SD-SDI video streams. The RGB processing controls provide full offset, gain and gamma adjustments. The YCbCr proc controls provide lift, gain, saturation, phase, white clip (hard and soft), black clip, and color saturation clip – all with user memory. Parameter updates are smooth and responsive, providing real-time adjustments. Even though the card provides extensive control of the signal from the RGB perspective, it will continue to pass those signals that fall outside of the RGB gamut. Plug and YCbCr limit ramp signals pass without modification. When the CbCr saturation clip is activated, the saturation limiting operation will not affect the color phase.

» FEATURES

Full RGB color corrector (offset, gain, gamma)

Passes all ancillary data, including embedded audio

Passes entire YCbCr gamut in unity gain configuration

10-bit gamma LUT

Extended YCbCr proc controls with white hard clip, white soft clip, black hard clip and saturation clip

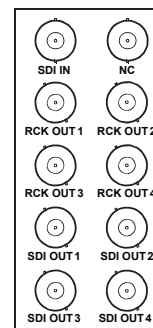
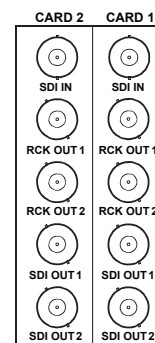
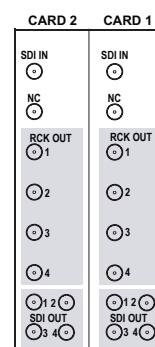
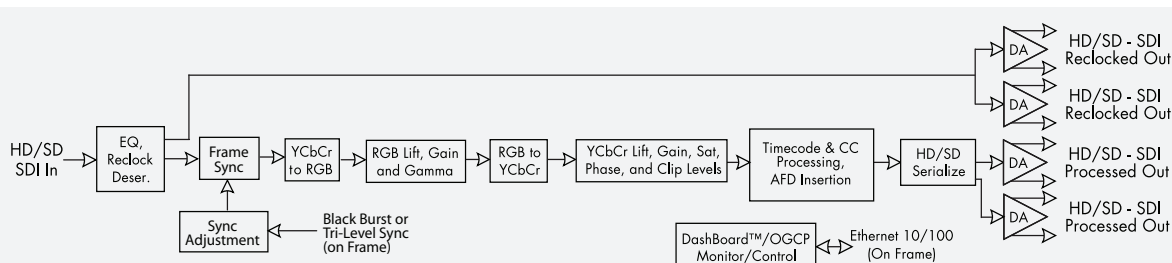
Phase preserved when applying saturation clip

One button bypass of color correction for comparison purposes

On-card storage of 16 presets

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

Five year warranty

**RM20-9084-A****RM20-9084-A/S****RM20-9084-B/S-DIN-HBNC****» SPECIFICATIONS****Electrical**

Power: 8 watts

HD/SD-SDI Input

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

Reference Video Input

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

Processing Delay

Minimum Frame Sync Delay: < 3 lines

AES Output

Number of outputs: 16-Ch unbalanced BNC
Impedance: 75
Sample Rate: 48 kHz

HD/SD-SDI Output

Number of Outputs: 4 reclocked, 4 processed
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

RGB Color Correction:

RGB Black Adjust (one per primary): -100% to 100% in 0.1% steps
RGB White Adjust (one per primary): 0% to 200% in 0.1% steps
RGB Gamma Control (one per primary): 0.125 to 8.0 in 0.001 steps

YCbCr Proc Amp:

White Adjust (Gain): 0 to 200% in 0.1% steps
Black Adjust (Lift): -100% to 100% in 0.1% steps
C Gain (Saturation): 0% to 200% in 0.1% steps
Color Phase: -360° to + 360° in 0.1 degree steps

YCbCr Clipper:

Y Black hard clip (values limited at or above): -6.8% to 50% in 0.1% steps
Y White hard clip (values limited at or below): 50% to 109.1% in 0.1% steps
Y White soft clip (values rolled off at): 50% to 109.1% in 0.1% steps
CbCr Saturation clip (values limited at or below): 50% to 160% in 0.1% steps

Frame Sync Delay

Minimum: 3 lines
Maximum: 3 lines + 1 Frame
Delay with FS disabled: > 200 samples

» ORDERING INFORMATION

9084 HD/SD-SDI RGB Color Corrector with YCbCr Video Proc and Frame Sync

RM20-9084-A 20-Slot Frame Rear I/O Module (Standard Width) HD/SD-SDI Input BNCs, 4 HD/SD-SDI Reclocked Output BNCs, 4 HD/SD-SDI Output BNCs

RM20-9084-A/S 20-Slot Frame Rear I/O Module (Split) Dual HD/SD-SDI Input BNC, 2 HD/SD-SDI Reclocked Output BNCs per card, 2 HD/SD-SDI Output BNCs per card

OGCP-9000/CC 2RU Remote Control Panel for Color Correctors and Fusion3G®/COMPASS® Cards (Specify country of destination for power cord)

RM20-9084-B/S-HBNC 20-Slot Frame Rear I/O Module (Split, High Density) HD/SD-SDI Input, 4 HD/SD-SDI Reclocked Outputs, 4 HD/SD-SDI Outputs (Per card; all connectors HD-BNC)

RM20-9084-B/S-DIN 20-Slot Frame Rear I/O Module (Split, High Density) HD/SD-SDI Input, 4 HD/SD-SDI Reclocked Outputs, 4 HD/SD-SDI Outputs (Per card; all connectors DIN1.0/2.3)