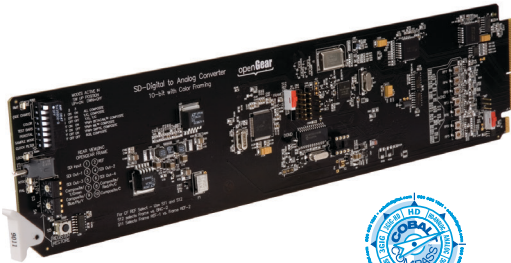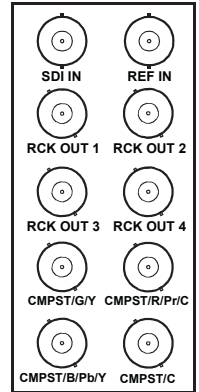COBALT

9011 ›› STANDARD DEFINITION D/A 10-BIT SDI TO ANALOG COMPOSITE, Y/C AND COMPONENT
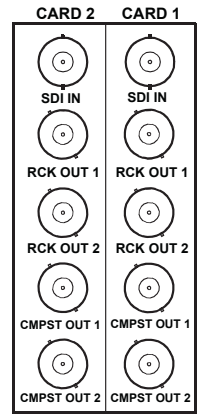
The 9011 provides 10-bit SD-SDI (SMPTE 259M-C)-to-analog video conversion with a variety of simultaneously available output formats: analog composite, Y/C, YPbPr, and RGB. When used with an "-A/S" (split) rear module, the space-saving design of the 9011 provides for high density, allowing two cards to be collocated in the same frame space normally occupied by a single card.

The 10-bit encoding engine oversamples 4:2:2 to 4:4:4 for internal processing, and then 4x oversamples the outputs to 16:16:16 for improved signal performance. An internal VCXO with de-jitter loop filter to 2Hz reduces digital jitter prior to encoding, improving burst stability on composite and Y/C signals. A reference circuit color frames the 9011 for timed environments with full user proc control.
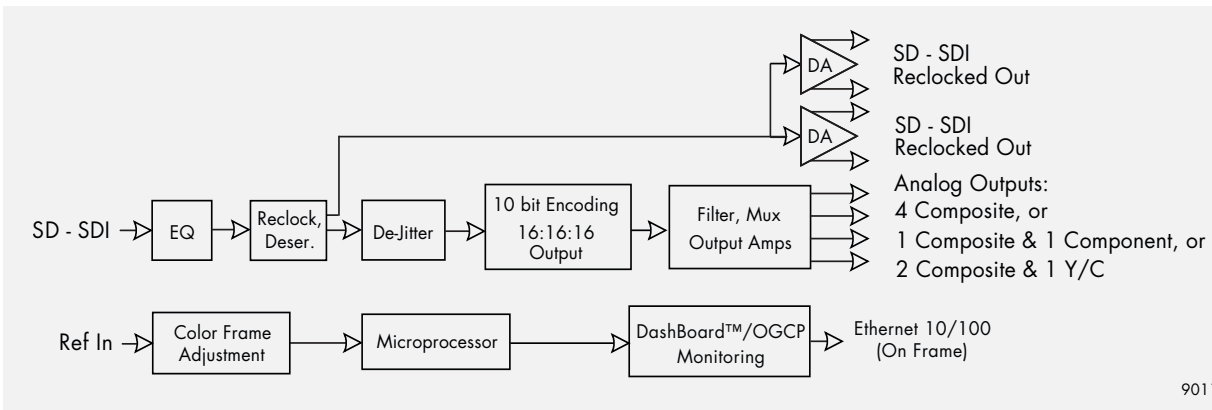
RM20-9011-A

RM20-9011-A/S

›› FEATURES

10-bit digital to analog conversion

Four user configurable analog outputs: composite, component, (YPbPr and RGB) and Y/C outputs

Supports component BetaCam™, MII™ and SMPTE/N10

Encoding to 16:16:16 over sampled outputs

10-bit digital video path

Internal de-jitter filter to 2Hz

Four reclocked SDI outputs

Internal color bar generator

User configuration switches on board edge

User proc control of video levels

Remote monitoring via Dash-Board™ software or OGCP-9000 remote control panels

Five year warranty

›› SPECIFICATIONS

Electrical
Power: 6 watts

SD-SDI Input
Number of Inputs: 1
Standard: SMPTE 259M

SD-SDI Outputs
Number of Outputs: 4 Reclocked

SD Analog Outputs
Number of Outputs: 4 composite or
                     2 composite with Y/C or
                     1 composite/component or RGB

Output Jitter
Internal digital de-jitter filter to 2Hz

D/A Process
4x or 2x over-sampled (16:16:16 or 8:8:8)

Frequency Response
5 MHz +/- 0.15 dB, 0-6.75 MHz +/- 0.25 dB

SNR
> 70 dB

Proc Control
Digital control of gain, DC, saturation and phase, filtering, gamma correction and DNR

›› ORDERING INFORMATION

9011 Standard Definition D/A 10-bit SDI to Analog Composite, Y/C and Component

RM20-9011-A 20-Slot Frame Rear I/O Module (Standard Width) SDI Input, 4 Reclocked SDI Outputs, 4 Analog Outputs (Composite, Component, Y/C)

RM20-9011-A/S 20-Slot Frame Rear I/O Module (Split) Dual SDI Input, 2 Reclocked SDI Outputs per card, 2 Analog Outputs per card

openGear

DashBoard