BrightEy€ 11

SD SDI to Analog Converter

BrightEye 11 provides digital to analog video conversion with the full range of analog output formats available: Beta, SMPTE, RGB, and composite (with simultaneous Y/C).

12 bit processing and conversion at 8 x oversampling mean the best looking images possible.

Output format and gain are controlled from the front panel. A status display indicates input presence. Video levels can be adjusted through BrightEye Mac or PC software.

BrightEye 11 is the perfect choice to feed monitors, VTRs, or video projectors.

Features

- Use with monitors, VTRs and projectors
- HD/SD SDI input
- Analog composite output
- Component, S-Video output
- 12 bit processing
- Passes embedded audio









SD SDI to Analog Converter

Serial Digital Input

Number One

Signal Type 270 Mb/s SD Serial Digital

(SMPTE 259M)

 $\begin{array}{ll} \text{Impedance} & 75 \, \Omega \\ \text{Return Loss} & >15 \, \text{dB} \\ \text{Max Cable Length} & 300 \, \text{meters} \end{array}$

Automatic Input Cable Equalization

Analog Output

Number One component or

one composite and one Y/C

Type Beta/SMPTE, Y, Pr, Pb

RGB

NTSC, PAL Composite NTSC, PAL S-Video

Return Loss >40 dB

Output DC None (AC coupled)

Serial Digital Output

Type SMPTE 259M Impedance 75Ω Return Loss >15 dB Output DC <50 mV

SDI to Analog Performance

Bit Resolution 12 bit output reconstruction

8 x oversampling

Signal to Noise >65 dB

Frequency Response ± 0.1 dB, 0 to 5.5 MHz

K Factor <1%

ScH Phase Error <±2 degrees
Differential Phase <1 degree
Differential Gain <1%

General Specifications

Size 5.63"W x 0.8"H x 5.98"D

(143 mm x 21 mm x 152 mm) including connectors and flange

Weight 15 oz

Power 12 volts, 4 watts

(100-230 VAC modular power supply)

Temperature Range 0 to 40° C ambient (all specs met)
Relative Humidity 0 to 95%, non-condensing

Altitude 0 to 10,000 ft.

