

# BrightEye 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.



- ▶ Use with Monitors, VTRs and Projectors
- ▶ SD SDI Input
- ▶ Analog Composite Output
- ▶ Component, S-Video Output
- ▶ 12 Bit

## ► Specifications

### Serial Digital Input

Number	One
Signal Type	270 Mb/s SD Serial Digital (SMPTE 259M)
Impedance	75 $\Omega$
Return Loss	>15 dB
Max Cable Length	300 meters
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	75 $\Omega$
Return Loss	>15 dB
Output DC	<50 mV

### SDI to Analog Performance

Bit Resolution	12 bit output reconstruction
Signal to Noise	8 x oversampling
Frequency Response	>65 dB
K Factor	$\pm 0.1$ dB, 0 to 5.5 MHz
ScH Phase Error	<1%
Differential Phase	< $\pm 2$ degrees
Differential Gain	<1 degree
	<1%

### General Specifications

Size	5.625" W x 0.8" H x 5.5" D (143 mm x 20 mm x 140 mm) including connectors
Power	12 volts, 4 watts (100-230 VAC modular power supply not included)
Temperature Range	0 to 40° C ambient
Relative Humidity	0 to 95%, non-condensing

