

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).

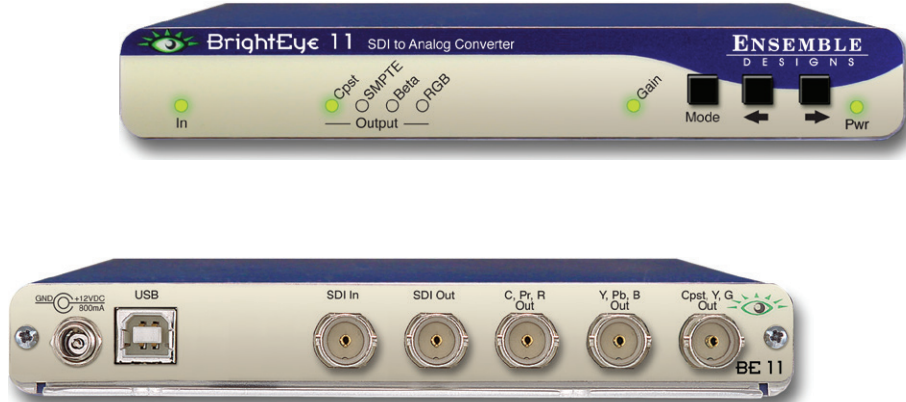
12 bit processing and conversion at 8 x oversampling mean the best looking images possible.

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.

Features

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



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SD SDI to Analog Converter

Serial Digital Input

Number	One
Signal Type	270 Mb/s SD Serial Digital (SMPTE 259M)
Impedance	75 Ω
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 Ω
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.

