

# BrightEye 23

## Analog Audio/SD SDI Embedder

BrightEye 23 is an embedder, or multiplexer with one standard definition serial digital video input and a four channel analog audio input. The four analog audio channels are digitized and then embedded into the digital video stream. The output is a serial digital video stream that contains the original video plus the four analog audio channels.

Audio mixing, level adjustments, and channel shuffling are accessed through BrightEye Mac or PC software. Audio group selection is also made through BrightEye Mac or PC software. A variety of audio connectors and adapters are available for integrating BrightEye 23 to any type of system.

### Features

- Use with VTRs, workstations and satellite receivers
- Audio embedder
- SD SDI and analog audio inputs
- Embedded SDI output



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## Analog Audio/SD SDI Embedder

### Video 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	

### Video Output

Number	One
Signal Type	270 Mb/s SD Serial Digital SMPTE 259M
Delay	< 1 $\mu$ Sec to SDI path
Impedance	75 $\Omega$
Return Loss	>15 dB
Output DC	None (AC coupled)

### Analog Audio Inputs

Number	Four
Type	Balanced
Delay	< 250 $\mu$ Sec to audio I/O
Impedance	>15K $\Omega$
Maximum Input Level	24 dBu
CMRR	>60 dB, 20 Hz to 10 KHz
Quantization	24 bits, 128 x oversampled
Sample Rate	48 KHz
Reference Level	-10 dBu or +4 dBu
Frequency Response	$\pm$ 0.1 dB, 20 Hz to 20 KHz
Crosstalk	<106 dB
Dynamic Range	>106 dB

### 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.

