

# BrightEye 23

## Analog Audio/SDI/ Embedder

BrightEye 23 is an embedder, or multiplexer with one serial digital video input and a four channel analog audio input. The four analog audio channels are digitized and then embedded into the 601 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 PC. Audio group selection is also made through BrightEye PC. A variety of audio connectors and adapters are available for integrating BrightEye 23 to any type of system.

For applications that require a fiber interface, the BrightEye 23 can be used in conjunction with the BrightEye 4 SDI Electrical to Optical Converter.



- ▶ Audio Embedder
- ▶ SDI and Analog Audio Inputs
- ▶ Embedded SDI Output

## ► Specifications

### Video Input

Number	One
Signal Type	Serial Digital (SMPTE 259M)
Impedance	75 Ω BNC
Return Loss	>15 dB
Maximum Cable Length	300 meters

### Video Output

Number	One
Signal Type	Serial Digital (SMPTE 259M)
Impedance	75 Ω BNC
Return Loss	>15 dB
Output DC	None (AC coupled)

### Analog Audio Inputs

Number	Four
Type	Balanced
Impedance	>15K Ω
Maximum Input Level	24 dBu
CMRR	>60dB, 20Hz to 10KHz
Quantization	24 bits, 128x Oversampled
Sample Rate	48 KHz
Reference Level	-10 dBu or +4 dBu
Frequency Response	±0.1dB, 20Hz to 20KHz
Crosstalk	<106 dB
Dynamic Range	>106 dB

### 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, 7 watts (100-230 VAC modular power supply provided)
Temperature Range	0 to 40° C ambient
Relative Humidity	0 to 95° noncondensing