BrightEy€ 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.

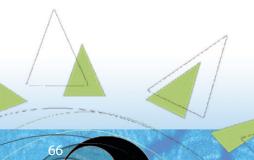
Audio mixing, level adjustments, and channel shuffling are accessed through BrightEye Mac or PC software. Audio group selection is also made through BrightEye Mac or PC software. A variety of audio connectors and adapters are available for integrating BrightEye 23 to any type of system.

Features

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









BrightEy€ 23

Analog Audio/SD SDI Embedder

Video 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

Video Output

Number One

Signal Type 270 Mb/s SD Serial Digital

SMPTE 259M

Delay < 1 μSec to SDI path

 $\begin{array}{ll} \text{Impedance} & 75 \, \Omega \\ \text{Return Loss} & >15 \, \text{dB} \end{array}$

Output DC None (AC coupled)

Analog Audio Inputs

Number Four Type Balanced

Delay $< 250 \,\mu\text{Sec}$ to audio I/O

 $\begin{array}{ll} \text{Impedance} & >15 \text{K} \, \Omega \\ \text{Maximum Input Level} & 24 \, \text{dBu} \end{array}$

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 ±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.

