

# BrightEye 21

## AES/SDI Embedder

BrightEye 21 is an embedder, or multiplexer, with one serial digital video input and two AES digital audio inputs. The two AES audio streams are embedded into the 601 video stream. The output is a serial digital video stream that contains the original video plus the two AES pairs.

Audio mixing, level adjustments, and channel shuffling are accessed through BrightEye PC. Audio group selection is also made through BrightEye PC.

Use BrightEye 21 in desktop and broadcast applications. For applications that require a fiber interface, the BrightEye 21 can be used in conjunction with the BrightEye 4 SDI Electrical to Optical Converter.



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

## ► Specifications

### Video Input

Number	One
Signal Type	Serial Digital [SMPTE 259M]
Impedance	75 Ω BNC
Return Loss	>15 dB
Max 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)

### AES/EBU Digital Inputs

Number	Two (total of four channels)
Type	AES3id
Connectorization	Coaxial, 75 Ω BNC
Bit Depth	20 and 24 Bit
Sample Rate	30KHz to 96KHz (Sample Rate Converted internally to 48KHz)
Reference Level	-18 or -20 dBFS (Selectable)
AC-3, Dolby-E	Supported when inputs are synchronous

### 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