



BrightEye 21

AES/SD SDI Embedder

- ▶ Use with Servers, Workstations and Routers
- ▶ Audio Embedder
- ▶ SDI and AES Inputs
- ▶ Embedded SDI Output

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 Mac or PC software. Audio group selection is also made through BrightEye Mac or PC software. Use BrightEye 21 in desktop and broadcast applications.

▶ Specifications

Video Input

Number	One
Signal Type	270Mb/s SD Serial Digital SMPTE 259M
Impedance	75 Ω
Return Loss	>15 dB
Max Cable Length	300 meters

Video Output

Number	One
Signal Type	270Mb/s SD Serial Digital SMPTE 259M
Impedance	75 Ω
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
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)
Temperature Range	0 to 40° C ambient
Relative Humidity	0 to 95° non-condensing