# BrightEye 24

# SD SDI to Analog Converter and Disembedder

BrightEye 24 is both a disembedder (demultiplexer) and a digital to analog video converter. The incoming serial digital video signal is converted to an analog composite output. Audio signals present in the incoming digital video signal are extracted and delivered as four channels of analog audio.

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 24 to any type of system. Use BrightEye 24 in desktop and broadcast applications.





- Use with Servers, VTRs and Workstations
- Disembedder and Converter
- Embedded SDI Input
- Analog Audio Output

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Composite Video Output

# ▶Specifications

## **Video Input**

Number Signal Type

 (SMPTE 259M)

 Impedance
 75 Ω

 Return Loss
 >15 dB

 Max Cable Length
 300 meters

 Automatic Input Cable Equalization

#### **Video Output**

Number Type

Impedance Return Loss Output DC One NTSC or PAL Composite Standard follows input 75 Ω >40 dB <50 mV

270 Mb/s SD Serial Digital

One

## **SDI to Analog Performance**

**Bit Resolution** 

Signal to Noise Frequency Response K Factor Differential Phase Differential Gain 10 bit output reconstruction 2 x oversampling >65 dB ± 0.1 dB, 0 to 5.5 MHz <1% <1 degree <1%

# **Analog Audio Outputs**

Number Type Impedance Maximum Output Level Resolution Reference Level Frequency Response Crosstalk Dynamic Range

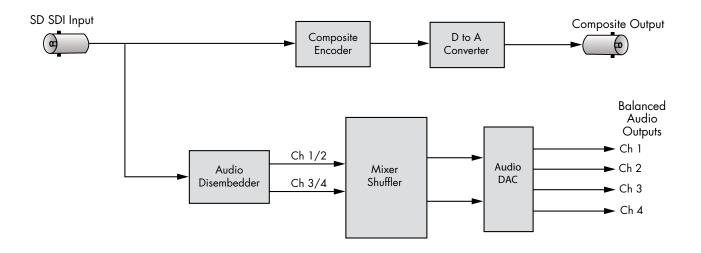
# **General Specifications**

Size

Power

Temperature Range Relative Humidity Four Balanced, transformerless  $30 \Omega$ 24 dBu 24 bits, 128 x oversampled -10 dBu or +4 dBu  $\pm 0.1$  dB, 20 Hz to 20 KHz <106 dB >106 dB

5.625" W x 0.8" H x 5.5" D (143 mm x 20 mm x 140 mm) including connectors 12 volts, 4 watts (100-230 VAC modular power supply not included) 0 to 40° C ambient 0 to 95%, non-condensing



Ensemble

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