BrightEye 94

SD Aspect Ratio Converter

BrightEye 94 is a standard definition aspect ratio converter. You can easily convert signals from 4:3 to SD 16:9, and vice versa.

All vertical interval data and closed captioning are faithfully passed. Sixteen channels of embedded audio are supported. If the incoming video has embedded audio, the audio will be safely bypassed around the video processing and lipsync will be preserved. An external reference input allows genlock to a house reference.

Input selection, gain control, and test pattern controls are provided through the front panel interface. Audio presence LEDs indicate which channels are detected. Controls for crop, letterbox and pillarbox are accessed from the front panel or BrightEye Mac or PC software. A special Mirror Output Mode can be enabled, causing the output image to be flipped left to right for use with on-camera talent.

Specifications

Analog Video Input

Number Type Resolution **Impedance Return Loss** Input DC Input Hum

Serial Digital Input

Number Signal Type

Impedance Return Loss Max Cable Length

Analog Video Output

Number Tupe **Return Loss** Output

Reference Input

Number Type

Impedance Return Loss

Analog Composite PAL or NTSC Digitized at 12 bits

>40 dB +/-1 volt DC <100 mV

270 Mb/s SD Serial Digital

(SMPTE 259M) 75Ω

>15 dB

300 meters for 270 Mb/s

One

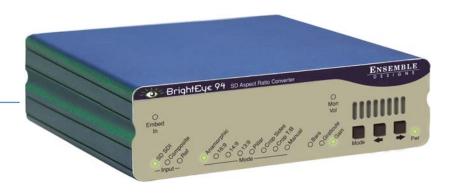
Composite PAL or NTSC >40 dB

DC < 100 mV

1 V p-p Composite Video PAL or NTSC

or Tri-Level Sync 75Ω

>40 dB





➤ SD ARC

► Timeable Output

Mirror Output Mode for On-Camera Talent

► HDMI Output

Frame Sync

▶ 12 and 16 bit processing

Passes Embedded Audio

Serial Digital Output

Number Two SD Serial Digital Type

270 Mb/s SMPTE 259M-C **Processing** 12 and 16 bit

Impedance 25 O Return Loss >15 dB Max Cable Length 300 Meters

Monitor Output

One Number HDMI Connectorization

Audio Monitoring Output

Number

(select from eight channels) Connectorization 3.5 mm stereo mini jack

General Specifications

Size

Power

5.625" W x 1.7" H x 5.5" D [143 mm x 40 mm x 140 mm]

including connectors 12 volts, 7 watts

(100-230 VAC modular power supply

not included)

0 to 40° C ambient Temperature Range Relative Humidity 0 to 95%, non-condensing

