

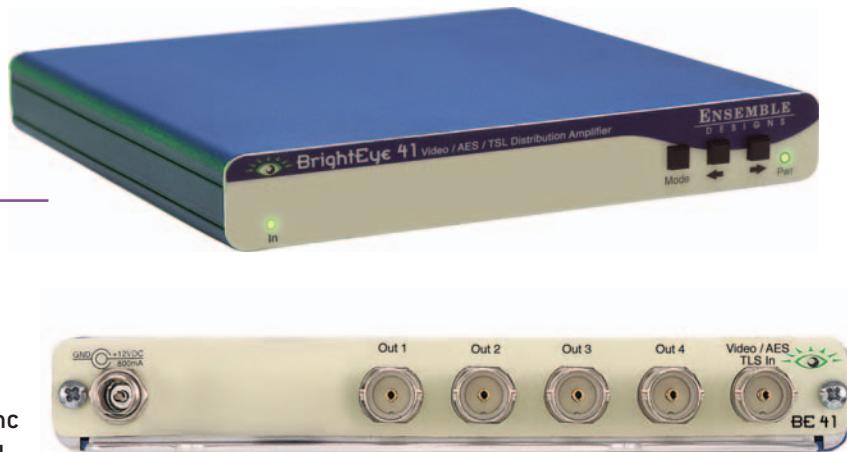
BrightEye 41

Video/AES/Tri-Level Sync Distribution Amplifier

BrightEye 41 is a distribution amplifier that accepts an analog video, AES digital audio, or HD Tri-Level Sync signal. It provides unity gain fanout over a frequency range of DC to 10Mhz. It can handle composite and component analog video, coaxial AES digital audio, or a High Definition Tri-Level Sync signal.

When using a digital to analog video converter and multiple outputs are needed, BrightEye 41 can be used to distribute and provide those additional output signals. BrightEye 41 works well with video converters BrightEye 10 and BrightEye 16. BrightEye 41 is also useful in conjunction with the BrightEye 54 sync pulse generator and test signal generator for distributing Tri-Level Sync, AES and composite signals.

This is a simple device, with no USB port and no interface to BrightEye PC. Front panel indicators show the presence of an input signal and power.



- ▶ Use with Converters and SPGs in order to have more outputs
- ▶ DA for Analog Video Signals
- ▶ DA for High Definition Tri-Level Sync
- ▶ DA for AES Digital Audio

► Specifications

Input Signal

Number	One, terminating
Signal Type	NTSC/525, PAL/625 composite video, AES digital audio or HD Tri-Level Sync
Impedance	75 Ω
Return Loss	>40dB to 5 MHz

Output Signal

Number	Four
Signal Type	Follows Input
Impedance	75 Ω
Return Loss	>40dB to 5 MHz
DC offset	Follows Input +/- 50mV
Delay	10 ns (14° NTSC, 17° PAL)
Frequency Response	±0.1 dB, 0 to 5.5 MHz ±0.3 dB, 0 to 10 MHz
Signal to Noise	68dB
Differential Phase	K Factor, 2T Pulse <0.25%
Differential Gain	10-90% apl <0.1 deg
Gain Stability	10-90% apl <0.15 % <0.2dB variation over operating temp

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