BrightEye 41 is a distribution amplifier that accepts analog video, AES digital audio, or Tri-Level Sync signal. It can also be used with SMPTE 310M, Dolby E and AC-3 signals. It provides unity gain fanout over a frequency range of DC to 10 MHz. 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 Mac or PC software. Front panel indicators show the presence of an input signal and power.

Features

- 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, AC-3 and Dolby E
- DA for SMPTE 310M





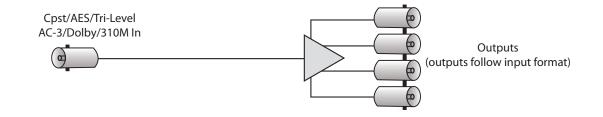


BrightEye 41 Video/AES/Tri-Level Sync Distribution Amplifier

Input Signal

General Specifications

Number	One, terminating	Size	5.63″W x 0.8″H x 5.98″D
Signal Type	NTSC/525, PAL/625		(143 mm x 21 mm x 152 mm)
	Composite video, AES digital		including connectors and flange
	audio or Tri-level Sync	Weight	14 oz
Impedance	75 Ω	Power	12 volts, 1 watt
Return Loss	>40 dB to 5 MHz		(100-230 VAC modular power supply)
Output Signal		Temperature Range	0 to 40° C ambient (all specs met)
Number	Four	Relative Humidity Altitude	0 to 95° non-condensing 0 to 10,000 ft.
Signal Type	Follows Input		
Impedance	75 Ω		
Return Loss	>40 dB to 5 MHz		
DC offset	Follows input +/- 50 mV		
Delay	10 ns (14° NTSC, 17° PAL)		
Frequency Response	\pm 0.1 dB, 0 to 5.5 MHz		
	\pm 0.3 dB, 0 to 10 MHz		
Signal to Noise	68 dB		
K Factor	2T Pulse <0.25%		
Differential Phase	10-90% apl <0.1 deg		
Differential Gain	10-90% apl <0.15%		
Gain Stability	< 0.2 dB variation over operating temp		



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