

BrightEye 43

3G/HD/SD/ASI Distribution Amplifier

BrightEye 43 is a reclocking distribution amplifier that can be used with standard definition video signals, 3 Gb/s and 1.5 Gb/s high definition signals, or ASI signals. The signal is equalized, reclocked and delivered to the outputs.

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 video converters and TSGs in order to have more outputs
- DA for digital HD or SD signals
- DA for 3G HD, Level A and Level B supported
- DA for ASI signals
- Passes embedded audio



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Serial Digital Input

Number	One
Signal Type	270 Mb/s SD Serial Digital (SMPTE 259M) 1.485 Gb/s HD Serial Digital (SMPTE 274M, 292M or 296M) 2.97 Gb/s HD Serial Digital (SMPTE 424M, 425M) Level A, Level B
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz >10 dB to 2.97 GHz
Max Cable Length	300 meters for 270 Mb/s 100 meters for 1.485 Gb/s 70 meters for 2.97 Gb/s (Belden 1694A)
Automatic Input Cable Equalization	

Serial Digital Output

Number	Six (Three for ASI)
Signal Type	3G/HD/SD/ASI Serial Digital follows input
Impedance	75 Ω
Return Loss	>15 dB to 1.485 GHz >10 dB to 2.97 GHz
Output DC	None (AC coupled)

General Specifications

Size	5.63" W x 0.8" H x 5.98" D (143 mm x 21 mm x 152 mm) including connectors and flange
Weight	15 oz
Power	12 volts, 7 watts (100-230 VAC modular power supply)
Temperature Range	0 to 40° C ambient (all specs met)
Relative Humidity	0 to 95° non-condensing
Altitude	0 to 10,000 ft.

