



LEI-532

HD/SD 1x4 Digital Distribution Amplifier



The Link LEI-532 serial distribution amplifier restores the incoming signal to its proper amplitude. The signal is reshaped with selectable automatic equalization, DC restoration, and re-clocking.

The LEI-532's maximum cable length equalization for SD is up to 750 feet 270 Mb/s and for HD is up to 250 feet 1.485Gb/s. Four BNC outputs and one BNC input are provided on the rear panel, as well as a detachable AC power cord.

There are four switches on the front panel of the LEI-532 that select, 1) Power Off/On. 2) Re-clock Off/On, 3) Auto Detect Off/On, 4) DC Restore Off/On. There are four outputs that represent the input, meaning that the output format/standard will be the same as the input format/standard.

The LEI-532 will accept any of the following standards; 143Mb/s, 177Mb/s, 270Mb/s, 360Mb/s, 540Mb/s, and 1.4835/1.485Gb/s. The front panel has two LED's that indicate if the input signal has locked, and whether the input data is Standard Definition or High Definition, HD/SD SDI. The signal output level is 800mVpp, and can be re-locked.

The 500 series products are compact portable designs that allow three units to be mounted in the PRT-700, one unit rack tray. There are 17 different products in the 500 and the 700 series that can be mounted in the PRT-700 rack tray.

Exceptional Technical Support

The LEI-532 HD/SD 1x4 digital Distribution Amplifier is backed by the Link Electronics standard 10-year warranty and 24/7 free customer support. It meets the innovative, high performance, flexibility, and reliability requirements of all Link Electronics products.

Features

- AC Powered, Portable
- Complies with SMPTE ST 259, ST 344, and ST 292

- HD/SD SDI Input
- Four HD/SD SDI Outputs
- Lock/Format Indication

- Automatic Equalization and Re-clocking



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Serial Digital Video Input:

Number of Inputs: One 75 Ω BNC
 Standards:
 Composite: 143 Mb/s
 Component: 177 Mb/s, 270 Mb/s, 360 Mb/s, 540 Mb/s
 HD Component: 1.4835/1.485 Gb/s
 Signal Level: 800 mV
 Input Cable Length Max: SD, Restore ON: 850 Feet @ 270 Mb/s
 SD, Restore OFF: 250 Feet @ 270 Mb/s
 HD, Restore ON: 250 Feet @ 1.485 Gb/s
 HD, Restore OFF: 50 Feet @ 1.485 Gb/s

Digital Outputs:

Number of Outputs: Four 75 Ω BNC's
 Standards: Same as input
 Signal Level: 800 mV

Rise & Fall Time:

SD: 220 ps Max
 HD: 800 ps
 Max Overshoot: 8% of Amplitude
 Additive Jitter:
 SD at 270Mb/s: 25 ps(P-P), Typical
 HD at 1.485Gb/s: 15 ps(P-P), Typical

Front Panel LED:

Lock Detect: Green LED
 SD: Green LED
 HD: Red LED

Front Panel Switches:

Re-Clock: On/Off
 DVB: Auto 177 or pass DVB
 DC Restoration: On/Off

Environmental:

Temperature: 0E to 50EC Ambient
 Humidity: 10% to 90% non-condensing
 Power: 4.2 Watts

Mechanical:

Height: 1.5 Inches
 Width: 5.5 Inches
 Depth: 9 Inches
 Weight: 2.5 Lbs.

