



LEI-560

Analog to SD/SDI Conversion



The LEI-560 is an analog video to serial digital (SDI) conversion module with an integral frame synchronizer. The LEI-560 is ideal for use as either a stand alone or a gen-lockable SD analog composite to SD SDI converter in any system. With SD analog to digital conversion, frame sync, and Proc Amp built into one unit helps you to meet both your needs and your budget. The unit is 10 BIT processing that meets broadcast standards for professional use.

SD Analog Composite Input

Composite analog video is converted to 10-bit parallel data and decoded to 4:2:2 digital component video using the state of the art design. In the event of loss of input signal, the user can select the output to freeze the last frame, field 1, field 2, black burst, SMPTE color bars, or no output. The LEI-560 features one video I/O signal. One independent analog video input can be converted to two isolated SDI outputs. The unit has high performance analog to SDI conversion. An analog black reference input can be used to provide timing of the video output. The rear panel accepts one analog video input, and provides two isolated SDI outputs. Two BNC's are provided for black reference input, looping high impedance.

Infinite Horizontal and Vertical Timing

The Horizontal and Vertical timing range is infinite for precisely timing the signals into the system. In the Gen-lock mode, the LEI-560 will automatically detect which reference format, NTSC or PAL. This unit also has a built in processing amplifier. The processing amplifier controls are Luma, Chroma, Black Clip, and Hue. The front panel rotary encoder provides adjustments of timing and processing amplifier controls. The front panel has an 8 character display that provides information about the operating performance. The front panel has two switches used as enter and escape and a rotary encoder for menu settings. The rotary encoder is used to browse through the various settings, the enter switch is used to make adjustments, and the escape switch is used to go back to the previous menu item. The menu selections may be obtained clockwise or counter-clockwise for ease of setup.

Exceptional Technical Support

The LEI-560 Analog to SD/SDI Conversion unit 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

- SD/SDI Outputs
- SD Analog Gen-Lock Indication
- Freeze to Last Good Frame Field
- SD Analog Composite Input

- 10 Bit A to D Frame Synchronizer
- Proc Amp Controls
- Looping Reference Input
- Infinite H and V Timing
- Course and Fine Adjustments

- Automatic Reference Detection
- User Friendly Operation
- Programmable Power on Settings



LEI-560

Analog SD/SDI Conversion



Analog Input

Number of Inputs: 1 Composite Video, 75 Ohm BNC
 Type: SD Analog Composite
 Level: 1Vp-p SD +/- 3dB when terminated into 75 Ohms
 Configuration: Single-ended Input
 Hot Switch Lock: Between 15 to 40 Frames

SDI Video Outputs:

Number of Outputs: Two 75 Ω BNC's
 Standards: NTSC or PAL
 Impedance: 75 Ω
 Output Level: 800 mV
 DC Offset: 0V +/- 0.1V
 Rise Time: 555pS
 Fall Time: 540pS
 Low frequency jitter: 0.31 UI
 Alignment jitter: 0.50 U

Reference Inputs:

Number of Inputs: 2 High Impedance Looping BNCs, >50K ohms
 Configuration: Single-ended Input
 Signal Type: Analog Black Burst, High Impedance loop
 Frequency Lock Range: 20ppm from nominal

Front Panel Controls and Indicators:

8 Character Display: Readout of Setting Adjustment
 Escape: Green LED, Flashes with no Reference Input
 Enter: Green LED, Flashes with no Composite Input
 Menu Select: Rotary Encoder
 Menu Option: Readout of Settings Adjustment

Electrical (External Power Supply):

Input Power Auto Detection 90 to 264 VAC
 Frequency: 47 to 63 HZ
 Consumption: 12 Watts
 Compliance: Designed to Meet UL Approval

Environmental and Mechanical:

Temperature: 0° to 50° C ambient
 Humidity: 10% to 90% non-condensing
 Power: 6 Watts
 Length: 10.0 Inches
 Width: 4.27 Inches
 Weight: 7 oz.



The manufacture reserves the right to change specifications without notice
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