



**LINK ELECTRONICS, INC.**



## SD SDI OPEN CAPTION DECODER PAL & NTSC MODEL LEI-589



### FEATURES

- ◆ Two Fields
- ◆ Captions
- ◆ Text
- ◆ XDS
- ◆ EIA-608 Extended Character Set

- ◆ PAL/NTSC
- ◆ 8 Character Dot Matrix Display
- ◆ Rotary Encoder
- ◆ SD SDI Input & Output
- ◆ Rack Mountable (Optional Tray)

The LEI-589 is a high performance Closed Caption Decoder for SD SDI system. It is capable of processing and displaying all standard closed caption format transmissions. This includes the codes specified by the FCC Report and Order on General Docket No. 91-1 and EIA-608 recommended practices for Captions, Text and XDS.

Nine standard data channels are supported by the LEI-589: Caption channels 1 through 4 (CC1-CC4), Text modes 1 through 4 (T1 through T4), and Extended Data Services (XDS). The various operating modes are selectable from through a rotary encoder and two push-button switches.

Packaged in LINK's compact 700 Series chassis, the LEI-589 is both rugged and reliable. If desired, it may be rack mounted along side two other 500 or 700 Series units of any mix.

Through the "menu" it allows the user to turn off the open caption black background and display characters only.

The LEI-589 operates on AC line voltage between 85 to 264 VAC, The front panel has a 8 Character Dot Matrix Display that provides information about the operating performance. The front panel also has two push button switches used as "enter" and "escape" and a rotary encoder for the selection of caption information. The "enter" switch is used to select the specific options.

The rotary encoder is used to browse through the caption or text information. The "escape" switch is used to go back to the previous menu item. The menu selections may be obtained clockwise or counter-clockwise on the rotary encoder for ease of setup.

In addition, the LEI-589 is backed by a standard 10-year warranty. High performance, flexibility, and economy are equally represented in the LEI-589 Open Caption Decoder.

***The output will not have ancillary data such as audio, VITC, and EDH on it.***

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# SD SDI Caption Decoder MODEL LEI-589 SPECIFICATIONS

## Serial Digital Video Input:

Input: ..... One  
Standards: ..... SD SDI  
Component: ..... 270Mb/s, SMPTE 259M-C  
Impedance: ..... 75Ω  
Return Loss: ..... >18dB  
Signal Level: ..... 800mV±10%  
Connectors: ..... BNC  
Return Loss: ..... >15dB  
Signal Level: ..... 800 ±10%

## Serial Video Outputs:

Number of Outputs: ..... Two  
Standards: ..... SD SDI  
Connectors: ..... BNC  
Impedance: ..... 75Ω, ±1%  
Output Level: ..... 800 ±10%  
DC Offset: ..... ±10%  
Rise & Fall Time: ..... 1nS ±250ps  
Equalization: ..... <30dB  
Overshoot: ..... <10% of Amplitude  
Propagation Delay: ..... 10nS (TBA)  
Input Cable Length, Max: ..... 750 Feet

## Front Controls & Indicators:

Power: ..... Green when on  
8 Character Dot Matrix Display; ..... Used for system set-up  
Rotary Encoder: ..... To select function desired  
Enter Push Button: ..... Selection of caption channels  
Escape Push Button: ..... Go back to previous menu

## ENVIRONMENTAL:

Temperature: ..... 0° to 50° C ambient  
Humidity: ..... 10%/90% non-condensing  
Power: ..... 9.5 VAR  
AC Voltage: ..... 85 to 264 VAC 50/60Hz

## MECHANICAL:

Height: ..... 1.75 inches  
Width: ..... 5.5 inches  
Depth: ..... 9.25 inches  
Weight: ..... 2lbs., 9oz.



PRT-700 RACK TRAY

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