



LINK ELECTRONICS, INC.

TWO FIELD CLOSED CAPTION DECODER PAL & NTSC, COMPOSITE PLUS Y/C MODEL IEC-788



MADE IN THE USA



FEATURES

- ◆ Field 1 & Field 2
- ◆ Captions
- ◆ Text
- ◆ XDS
- ◆ EIA-608 Extended Character Set
- ◆ PAL/NTSC
- ◆ S-Video Input & Output
- ◆ Baseband Video Input & Output
- ◆ Differential Input
- ◆ Rack Mountable (Optional Tray)

The IEC-788 is a high performance Closed Caption Decoder for the NTSC/PAL 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 IEC-788: 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 four front panel switches.

Packaged in LINK's compact 700 Series chassis, the IEC-788 is both rugged and reliable. If desired, it may be rack mounted along side two other 700 Series units of any mix.

A switch on the rear panel selects PAL or NTSC and a switch on the front panel selects between 115 or 230VAC.

Designed with the professional user in mind, the IEC-788 processes composite baseband video or S-Video. The composite video input is high impedance looping and the S-Video is standard levels. A complementary differential input amplifier assures high common mode rejection while its phase-linear keyer cleanly inserts decoded characters into the video image. Differential gain and phase are well within 0.1% and 0.1° respectively.

In addition, the IEC-788 is backed by a standard 10-year warranty. High performance, flexibility, and economy are equally represented in the IEC-788 Closed Caption Decoder.

MODEL IEC-788 SPECIFICATIONS

COMPOSITE INPUT:

Video Level: 1.0Vpp \pm 6dB
 Impedance: $>18K\Omega$ Looping
 Connector: BNC
 Maximum DC on Inputs: ± 6.0 VDC
 Common Mode Range: 5Vpp
 CMRR @60Hz: >50 dB

COMPOSITE OUTPUTS:

Number: Two
 Connector: BNC
 Level: Unity Gain
 Character Video: 90 IRE Units
 Character Background: 10 IRE Units
 Impedance: $75\Omega \pm 1\%$
 Frequency Response: ± 0.1 dB at 15MHz
 -0.5dB at 17MHz
 -1.0dB at 18.5MHz
 -3.0dB at 26MHz
 Differential Gain: 0.10%
 Differential Phase: 0.10°
 Propagation Delay: 19ns ± 3 ns
 Hum and Noise: >60 dB to 5 MHz
 >40 dB above 5MHz
 DC Offset: <2 mV, Clamped
 Line Rate Tilt: $<0.1\%$
 Field Rate Tilt: $<0.1\%$

S-VIDEO INPUT:

Y Level: 1 Vpp ± 6 dB
 C Level: 0.6 Vpp Nominal
 Impedance: $75\Omega \pm 1\%$
 Connector: Four Pin Mini Din

S-VIDEO OUTPUT:

Number: Two, one 4 Pin Mini Din & One BNC pair (Y & C)
 Y Level: 1 Vpp ± 6 dB
 C Level: 0.6 Vpp Nominal

ENVIRONMENTAL:

Temperature: 0° to 50° C ambient
 Humidity: 10%/90% non-condensing
 Power: 9.5 VAR
 AC Voltage: 120/240 VAC $\pm 10\%$, 50/60Hz

MECHANICAL:

Height: 1.0 inches
 Width: 5.5 inches
 Depth: 9.25 inches
 Weight: 2lbs., 9oz.



PRT-700 RACK TRAY



IEC-788 REAR PANEL