



# PORTABLE CLOSED CAPTION DECODER MODEL PCD-88



**Wall Transformer  
Included  
Part #PWT-300**



BNC/required  
included with  
each PCD-88

## FEATURES

- ◆ Two Outputs
- ◆ BNC Loop Through
- ◆ Switch Select CC1 & CC2
- ◆ 12 VDC Regulated
- ◆ **Remote Caption ON/OFF**

The PCD-88 is a high performance closed caption decoder for the NTSC system. It is capable of processing and displaying all standard field one closed captions. The two channels of data that can be displayed are CC1 and CC2. The two channels of captions are selectable from a three position switch located on the front panel, the center position is captions off. Two LED's indicate which of the two channels are selected. An automatic caption "Time-Out" function will erase displayed captions after 15 seconds if no new data is received.

This unit can easily be mounted adjacent to a video monitor that does not have a built-in closed caption decoder to accomplish excellent results.

The PCD-88 is designed with the professional user in mind. The required input signal is composite video with caption data on line 21 of field one. There are two 75Ω BNC composite video outputs. The input is high impedance looping configured as single ended, AC coupled, to work in all environments. The remaining BNC connector must be terminated with 75Ω. A regulated 12VDC power supply, Link PWT-300, is included. The PWT-300 operates on AC power from 90 to 240VAC.

Three internal controls provide for adjustment of composite video level, background level and character intensity. The unit is housed in a high impact plastic case for durable operation in the field or in the studio. The mating plug for remote captions ON/OFF is supplied.

# MODEL PCD-88 PORTABLE CLOSED CAPTION DECODER

## SPECIFICATIONS

### INPUT:

Video Level: ..... 1.0 Vpp  $\pm$ 6dB  
Impedance: ..... 50K $\Omega$ , Bridging  
Configuration: ..... Single Ended, AC Coupled

### OUTPUTS:

Number: ..... Two  
Level: ..... Unity  
Impedance: ..... 75  $\Omega$   $\pm$ 1%, source terminated  
Character Video: ..... 90 IRE  
Character Background: ..... 10 IRE  
Caption Time Out: ..... 15 Seconds  
Frequency Response: .....  $\pm$ 1dB to 10MHz  
.....  $\pm$ 2 dB at 20 MHz  
..... -4dB at 30 MHz  
Differential Gain: ..... 0.2%  
Differential Phase: ..... 0.5°  
Output DC Offset: ..... AC Coupled  
Hum & Noise: ..... >50dB  
Propagation Delay: ..... 12nS  
Line Rate Tilt: ..... 0.1%  
Field Rate Tilt: ..... 0.1%

### INTERNAL CONTROLS:

Video Level: ..... 1 Vpp  $\pm$ 3dB  
Character Intensity: ..... 90 $\pm$ 20 IRE  
Background Level: ..... 10 $\pm$ 50 IRE

### ENVIRONMENTAL:

Temperature: ..... 0° to 50°C, Ambient  
Humidity: ..... 0% to 90% non-condensing

### POWER: (PWT-300 Included)

Voltage: ..... 12 VDC, Regulated  
Power: ..... 1.0 watt Typical

### MECHANICAL:

Height: ..... 1.4"  
Width: ..... 4.5"  
Depth: ..... 2.6"  
Weight: ..... 5.5oz.

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