

## DR221 Two Field Data Recovery Decoder

Standard Definition NTSC EIA-608B decoder used to capture closed captions that have been encoded into both fields of a video signal.

The Model DR221 Two Field Line 21 Data Recovery Decoder is designed to recover existing EIA-608 Closed Captions data streams from both Field 1 and Field 2 and merge this data into a single multiplexed data stream for output on a standard RS232 or RS422 data port. The DE 221DR data ports are configurable for either RS232 or RS422 serial data.

### INPUT VIDEO CHARACTERISTICS

Video Input Level	1.0 Vp-p nominal
Video Input Variation	0.7 to 1.4 Vp-p
Input Impedance	75 Ohms
Input Return Loss	>35dB to 5MHz with external load having a 40dB return loss
Input Signal-To-Random	Functions to 25dB ratio (CCIR NOISE RATIO weighted) with typically one error per row at that level

### FRONT PANEL CONTROLS AND DISPLAYS

Power (On-Off)	Push-button power switch with reset.
Power	LED indicates presence of power.
Video	LED indicates presence of proper video signal.
Data	LED indicates data being output.
Reset	Push-button reset.

### REAR PANEL CONNECTORS

Video Input	BNC connector for 75 Ohm video signal at 1Vp-p nominal level.
Data	DB9 female connector for data recovery output. RS232/RS422.
120 V 60 Hz Line Cord	Standard captive 3-wire line cord. 5 feet long.

### PHYSICAL CHARACTERISTICS

Height	1.75 inches (4.45 cm)
Width	19 inches (48.3 cm)
Depth	5 1/4 inches (13.3 cm)
Mounting	Designed for rack mounting.
Weight	3 lbs. (1.36 kg)
Operating Ambient	0 C to +50 C

### POWER REQUIREMENTS

Line Frequency	47-440 Hz
Line Voltage	117 VAC +/- 10%
Line Current	0.07 A maximum
Input Power	10 W maximum
Circuit Breaker	0.1 A trip current. In Power On/Off switch.