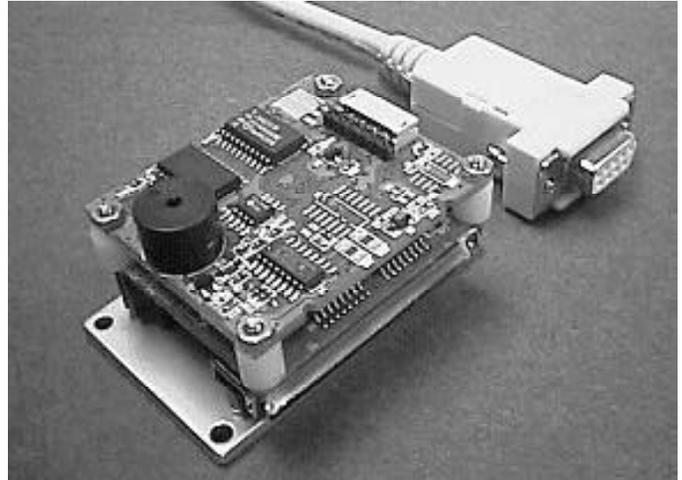# CCD SCAN ENGINE ———— RS12100 Series

FEATURES:

- Designed for OEM use
- Infrared Model Available
- RS-232 or Keyboard Wedge Interface
- Wide Reading Window (31.")
- Reads All Common Barcodes
- User Configurable
- Installation and Configuration Manual

DESCRIPTION:

The R12100 Series scanner is a CCD based unit that uses six visible red or infrared LEDs for illumination. The unit operates similar to a digital camera in that it "takes a picture" of the barcode, rather than scanning it. The Scan Engine can be furnished with one of two standard interfaces; RS-232 or Keyboard Wedge. The RS-232 Model can connect to the Com: port of a PC or other device with a EIA/TIA RS-232C interface. The Keyboard Wedge unit connects between the keyboard and the console of a PC. Barcode data read by the scanner appears as though it were typed on the keyboard.

TYPICAL APPLICATIONS:

This unit is designed for OEM applications. The compact size of the unit facilitates its use in lottery terminals, vending machines, medical instruments, diagnostic equipment, and more. The infrared unit is capable of reading codes with IR transparent security overlays, or other methods that insure a code cannot be photocopied. Operation requires 5VDC at 200 milliamps maximum. The operating distance is 1.35 inches from the barcode, with a depth of field of ±0.2". The scan window is up to 3.1" wide. The "scan rate" is 100 exposures per second. The unit reads all common industrial and retail barcodes.

SPECIFICATIONS:

Power:	5VDC±5% @ 200ma. maximum Supplied by PC for keyboard wedge RS-232 requires external supply.	Barcodes:	EAN/UPC (including supplements), Code 39, 2 of 5 Codes (including matrix, interleaved, industrial and DataLogic), Codabar, Code 128, and Code 93.
Scan Rate:	100 exposures per second.		
RS-232:	Selectable baud rate from 300 to 38,400. Seven or eight bit word. Odd, Even, Mark, Space or No Parity. RTS/CTS or ACK/NAK handshaking.	Connectors:	The RS-232 model is furnished with a DB-9S for communications and a 5.5mm connector for power. The keyboard wedge models are furnished with either a 5-pin DIN or 6-pin mini-DIN connector.
Wedge:	PC/AT, PC/XT, PS/2 Models30,50,60,80 IBM5541. Supports US, Belgian, French, German, Spanish, Swiss, UK, Italian, Portuguese and Swedish Keyboards. Supports Function Key translation of unprintable ASCII characters.	Mounting:	An aluminum baseplate with four 0.125" diameter holes simplifies mounting.

CUSTOM SENSORS, INC.