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# Z-3080 series

## CCD Barcode Scanner

## INTRODUCTION

The Z-3080 CCD scanner with introduction of Zebex's newly designed scan engine, it ensures responsive, quick scanning with superior first read rate success, multiple decoding and features a rugged design housing with multiple interface and a quick disconnect/field replaceable cable design.

The Z-3080 series is ideal for point of sale (POS) and document tracking applications. The rugged design and reliability of this elite CCD scanner has earned literally thousands of matches in industrial and manufacturing locations as well.

Z-3080 series has all the advanced technologies that a CCD scanner could have. It is also priced at the best value, and yet it can be sure is the most smart choice that you should make.



• Z-3080 shown as Wall Mount



• Z-3080 shown as Surface Mount

## FEATURES

- Durable trigger switch plus many kinds of scanning mode to choose
- Scanning speed up to 100 scans/sec.
- Good read LED indicator and tone programmable beeper
- Built-in decoder allows automatic recognition and decoding of most popular barcodes.
- Multi interface communication, RS-232C, C-MOS serial, Wand and Keyboard Emulation, All in one unit. Optional USB interface
- Superior optical performance with a minimum resolution of 0.127mm (5 mils) and maximum reading distance of 20mm.
- With a 80mm window will read barcode labels up to 80mm of width, scanning by approaching or touching the labels.
- Optional Zero power operation version

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# Z-3080 CCD BARCODE SCANNER

## SPECIFICATIONS

### OPTICAL

<b>Optical System</b>	2048 pixel CCD (charge-coupled device)
<b>Resolution</b>	0.127mm (5 mils) (CODE 39, PCS=90%, when contact)
<b>Scanning Width</b>	80mm (3.15")
<b>PCS Value</b>	30% or more
<b>Light Source</b>	Visible LED (wave length 660nm)
<b>Scan Rate</b>	100 scans/sec
<b>Reading Distance</b>	20mm (EAN = 100%, PCS = 90%)

### ELECTRICAL

<b>Supply Voltage</b>	5VDC $\pm$ 10%
<b>Operating Current</b>	140 mA (Standard Version) 10 $\mu$ A (Special Version) (Zero Power Version, before press trigger)

### ENVIRONMENTAL

<b>Operating Temperature</b>	0 ~ 50°C
<b>Storage Temperature</b>	-10 ~ 70°C
<b>Humidity</b>	5 ~ 95% RH (non-condensing)
<b>Shock</b>	1.0 meter drop to concrete
<b>Max Ambient Light Rejection</b>	1500 Lux (Fluorescence) 800 Lux (Sunlight)

### MECHANICAL

<b>Cable Length</b>	Straight (2m)
<b>Connector Type</b>	RJ-45 phone jack connector
<b>Weight</b>	170g (5.9oz) excluding cable and connector
<b>Case Material</b>	ABS plastic

### MULTI-INTERFACE

Keyboard emulation, C-MOS Serial, RS-232C Serial, and Wand emulation. All in one unit. Optional USB interface.

### KEYBOARD EMULATIONS

IBM PC/XT/AT, IBM PS/2 Model 30-80, IBM 5550, 5530-SC, 5530-ZC, IBM 3196, 3472/3477, 5295 Terminal, NEC 9801, Apple MAC II, and more ...

### DECODING CAPABILITIES

UPC A/E, EAN-8/JAN-8, EAN-13/JAN-13, Full ASCII Code 39, Code 39, Interleaved 2 of 5, Code 93, Codabar, Code 128, Chinese postcode, IATA, EAN-128, MSI Plessey  
Optional: Code 11, STD 2 of 5, & Matrix 2 of 5

### PROGRAMMABLE CHARACTERISTICS

#### Built-in decoder:

Type of interface  
Code type selection, check digit selection  
Decoding option  
Transmitted character delay  
Header selection, trailer selection  
Good read beep tone and volume  
Barcode identifier

#### Keyboard Emulation Configuration:

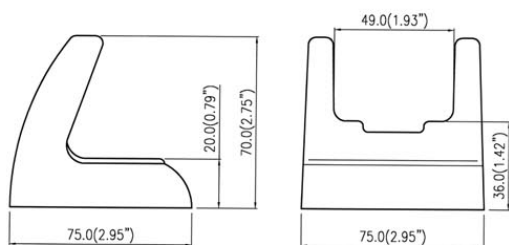
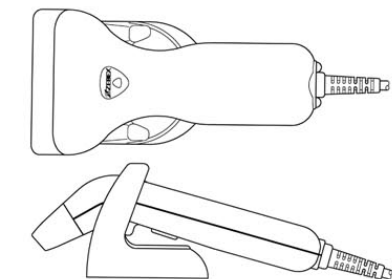
Inter-message delay, keyboard type and keyboard language

#### Serial Interface Type:

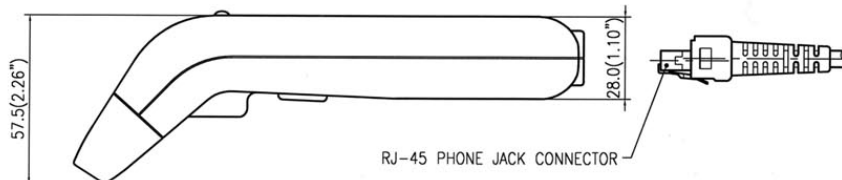
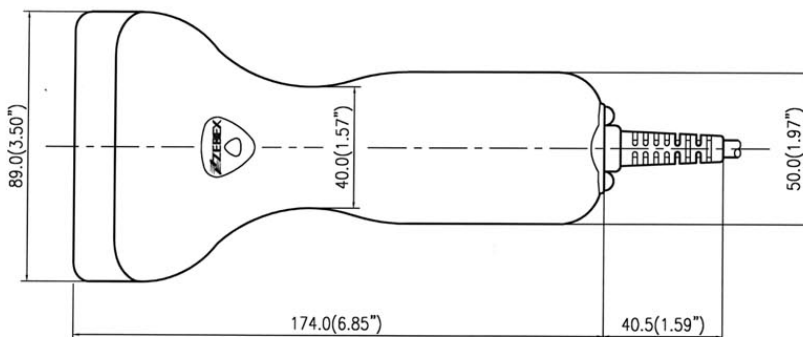
ACK/NAK, Xon/Xoff, RTS/CTS, Baud Rate, Data Bits, Stop Bits, Parity

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• STAND (OPTIONAL)



UNITS : mm ( inch )