

High Performance, 82mm Scan Width

# Barcode CCD Scanner



*Insist on the Best*



## FEATURES

- **Compatibility**  
Supports a wide range of systems : PC XT/AT, PS/2, Macintosh, POS, Mainframes and Terminals.
- **Connectivity**  
Provides integrated RS-232 and keyboard interfaces for more connectivity options, reducing inventory levels.
- **Durability**  
Portable for rough working environment and can withstand drop test of one meter onto concrete surface.
- **Modularity**  
The connecting cables is detachable, giving the flexibility and convenience to maintain this product.
- **Customized**  
The scanner can be modified according to customer's specification.
- **Cost-effective**
- **Powerful features in specified models**
  - Long field depth > 3"
  - High scan rate  $\geq$  100 scan/sec.



### Engineering Design

Light source	660nm Red LED Array
Power source	+5V DC, $\pm 5\%$
Photo sensor	2048 PIXEL CCD
Processor	Intel 8C31
Decoder	Proprietary
Body material	ABS
Cable	2.0 Meter, Straight
Weight	130g without cable
Interface	TTL, Keyboard Wedge, RS-232, Wand Emulation, OCIA, USB, and etc.

### Performance

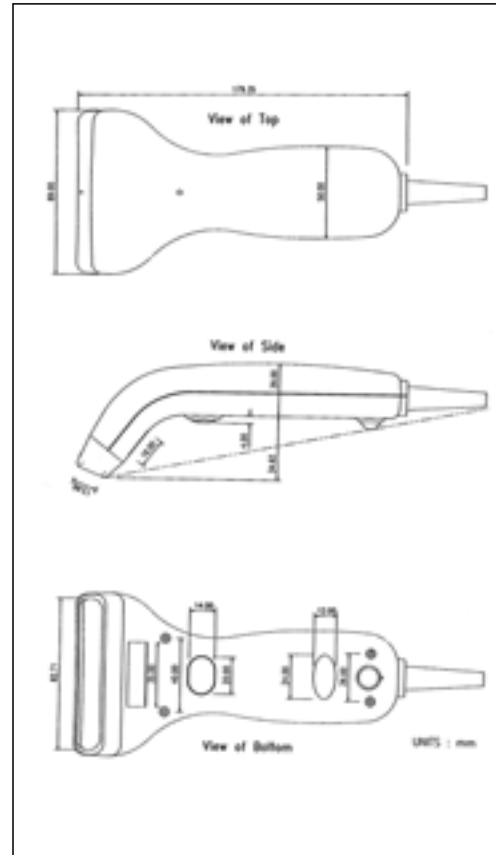
Scan rate	33 Scan/sec to 100 Scan/sec
Resolution	0.1mm(4 mil) Max.
Print contrast ratio	45% Min
Depth of Field	0~15mm(for normal series) 0~75mm(for long-range series)
Width of field	82mm(max.)
Power consumption	60mA(for low-power series) 120mA(for normal series)
Shock resistance	1 meter drop onto concrete
Readable barcodes	Code 39, Full ASCII Code 39, UPC/EAN/JAN, CODABAR, Interleaved 2/5, Code 128, Code 11, Code 93, MSI/PLESSEY, Code 4

### Operating Environment

Operating temperature	0°C~50°C
Storage temperature	-10°C~60°C
Relative humidity	5% to 95% noncondensing
EMI emission	FCC class A, CE
Ambient light	1500 Lux
Connectivity	DB9, DB25, AMP, RJ-45, RJ-11, DIN5, DIN6, PS/2...

### Series

<b>CCD-80E</b>	Economical series
<b>CCD-80D</b>	Long field depth > 3 inches
<b>CCD-80S</b>	High scan rate $\geq 100$ Scan/sec



### Models

<b>CCD-80</b>	TTL output without built-in decoder
<b>CCD-81</b>	Wand-emulation with built-in decoder
<b>CCD-82</b>	RS-232 interface with built-in decoder
<b>CCD-83</b>	Keyboard wedge with built-in decoder
<b>CCD-84</b>	Keyboard and RS-232, Two in One
<b>CCD-85</b>	OCIA Interface
<b>CCD-83U</b>	USB interface
<b>CCD-83NB</b>	Notebook keyboard interface