

# WNC-5080

## 1D CCD HANDHELD BARCODE SCANNER



### Flexible configuration

Customized configuration with best performance

### Diversity of interface

Support RS232,USB keyboard interface

### Best value price

32bit CPU performance with only 8 bits CPU price

### Ultra comfort design

Perfect human engineering design, ultra comfort with lifetime use

### High performance CPU

Excellent performance in decoding and error correcting capacity

### Deversified customized features

Great match for customer applications, greatly improve work efficiency

### Complement checking code for barcode data and command

More secure for data and command transfer

### Creative user defined barcode technology

User defined barcode binding with unique ID barcode scanner

### Achieving one -to-many communications one PC/PLC host to many barcode scanners)

Good for applications as multiple barcode scanners linked to the same network

## Application and solution

Clothing/Retail Chain/Warehouse/E-business/Finance & Insurance/Commercial Retail/Logistics Express/File Management



# Basic produce specification

## Communications

**Interface** : • RS232 • USB(Ver. 1.1 HID Keyboard)

## Power

**Power Consumption** : 0.6W

**Voltage** : DC 5V

**Operate current** : Max 120mA  
Standby: 40mA

## Barcode scanner optic

**Image Sensor** : CCD

**Light source** : 632 nm red LED

**Light Intensity**: 265 LUX (130 mm)

**Scan method** : bi-directional scanning

**Decode Rate** : up to 300 scans/sec

**Reading pitch angle** : (pitch)-65 to 0°, 0 to +65°  
(skew)-30 to 0°, 0 to +30°  
(tilt)-60 to 0°, 0 to +60°

**Mini Resolution**: 0.101mm/4mil@PCS=90%,Code 39

**Precision** : ≥5 mil

**Depth of Scan field** : 40mm-430mm

**Print Contrast Signal** : ≥30%

## Physical

**Dimension** : 165 x 67 x 90mm ( D x W x H )

**Weight** : 178g (include cable)

## Environment

**Temperature** : -20° to 60°C (Operation)  
-40° to 85°C(storage)

**Humidity** : 5 - 95% (non-condensing)

**Ambient Light Immunity** : Fluorescent light 4000 lx max , direct sun light  
80,000 lx max , white light 4000 lx max

**Drop test** : 1.8m dropped onto concrete surface

**Service life** : 30,000 hours, LED components is 50,000 hours

## Regulatory and Safety

**Product Compliance** : CE EMC Class B

**Enclose items**: Cables, 5V DC power supply(for RS232)

## Decode capability

Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5,  
ISBN/ISSN, Code 93, UCC/EAN-128, GS1 Databar etc.

## Depth of field

Code 39

55 - 315 mm ( 10 mil )

40 - 430 mm ( 15 mil )

EAN-13

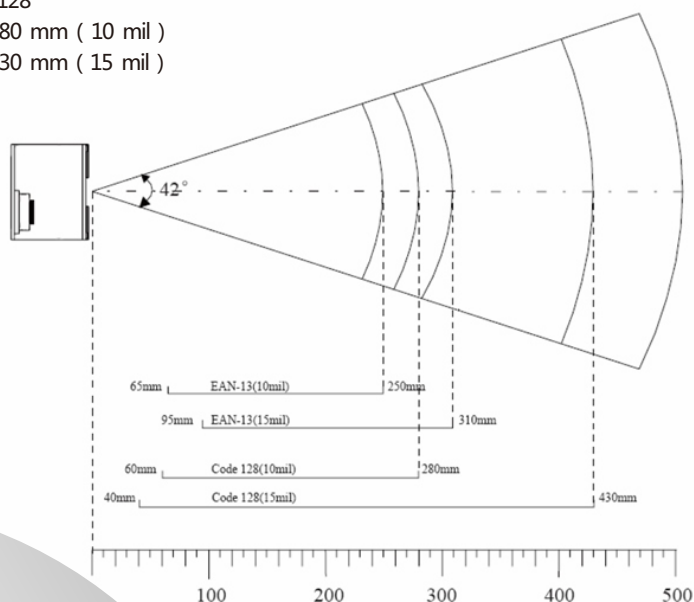
65 - 250 mm ( 10 mil )

95 - 310 mm ( 15 mil )

Code 128

60 - 280 mm ( 10 mil )

40 - 430 mm ( 15 mil )



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## Depth of field