

**NCTS-NB2D1W**

(2D CMOS Wireless 2.4G Handheld Barcode Scanner)

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| **Technical Parameters** |
| **Wireless specifications** |
| Communications | 2.4GHz |
| Communication frequency | 2.402 to 2.480GHz |
| Transmission range | ≤30M（In empty area 30M ） |
| Data rate | 1Mbps |
| Memory | 100000@13Byte barcode |
| Battery capacity | 1500mAh (Lithium battery) |
| Charging time | 4.5H |
| The life time of the full charge | 4h（continuous reading situation）9.5h（Manual reading situation）More than 15 days（Stand-by time) |
| Communication mode | Read-time mode/Inventory mode |
| **Electrical Characteristics**  |
| Interface | USB HID KEYBOARD（Wireless receiver） |
| Voltage requirement | Max:120mAMin：50mA |
| **Optical Characteristics** |
| Photo sensor | CMOS array sensor |
| SENSOR RESOLUTION | 648 X 488 Pixels |
| Light source | White LED |
| Aim light source | Red Bar LED |
| **Performance Characteristics** |
| Decode angle | Pitch angle:±60°;Skew angle:±60°;Tilt angle:±180° |
| Min resolution | 1D≥4mil2D≥10mil |
| Min.PCS value | 〉15% UPC/EAN 13（13mil） |
| Field of View | 46°(H),35°(V) |
| Identification | **1D：** Codabar，Code128，Code11，Code32，Code39，Code93，Composite，EAN/UPC,EAN-8,EAN-13,GS1 DataBar Expanded，GS1 DataBar Limited，GS1 DataBar Omnidirectional，Hong Kong 2 of 5（China Post），Interleaved 2 of 5，Matrix 2 of 5，Pharmacode.RSS-14,RSS-LIMITED,RSS-EXPANDED,Industrial 2 of 5,Telepen,Trioptic Code, UPC-A,UPC-E**2D：**Aztec Code，Codablock F，DOT\_CODE, HANXIN, Maxicode，MicroPDF417，Micro QR Code，MSI，PDF417,QR Code, DataMatrix |
| **Physical Characteristics** |
| Dimensions | Scanner：95mm×70mm×168mm（L x W x H）Receiver：83mm\*18mm\*13mm(L\*W\*H) |
| Weight | Scanner：186g Receiver：16g |
| **Environmental Characteristics** |
| Temp | 0°∽50°C / 32°∽122°F(operation) /-10°∽60°C /14°∽140°F(storage) |
| Humidity | 20 - 85% (operation) ) 20 - 95% (storage) |
| Shock drop test | 1.5m drop onto concrete surface |
| Ambient Light: | fluorescent light 4000 lx max , direct sun light 80,000 lx max ,white light 4000 lx max |
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| **Decoding Depth of Field** |
| Symbology | Resolution | Nearest | Farthest |
| Code 39 | 20mil | 5.5cm | 35cm |
| Code 128 | 15mil | 6cm | 31cm |
| EAN-13 | 13.34mil | 6cm | 25cm |
| QR code | 20mil | 4cm | 21cm |
| PDF417 | 13.34mil | 3cm | 29cm |