

**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:120mA  Min：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≥4mil  2D≥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 | | | | |
|  | | |  | | | | |
| **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 |