

**NCTS-NB2D2**

(2D CMOS Wire Handheld Barcode Scanner)

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| **Technical Specifications** | |
| **Electrical Characteristics** | |
| Interface Supported | RS-232/USB HID KEYBOARD |
| Input Voltage | DC 5V±10% |
| Current | Max::190mA  Dormant current：48mA |
| **Optical Characteristics** | |
| Image Sensor | CMOS Array Sensor |
| Sensor Resolution | 640x480 Pixels |
| Light Source | White LED |
| Aim Light Source | Red Bar LED |
| **Performance Characteristics** | |
| Scanning Angle | Pitch angle:±60°;Skew angle:±40°;Tilt angle:±180° |
| Field of View | 66°(H),50°(V) |
| Min Resolution | 1D：0.127mm/5mil（PCS 0.9）  2D：0.202mm/8mil（PCS 0.9） |
| Min .PCS value | 〉20%UPC/EAN 13（13mil） |
| Language | Multiple Languages |
| Data Edition | Support for custom data output |
| Decode Capability | **1D :** UPC-A，UPC-E，UPC-E1，EAN-8，EAN-13，EAN-14，EAN-128，UCC128， ISBN/ISSN， CODE11，CODE32，CODE39，CODE39 Full ASCII，CODE93，CODE128，  Crossing 25 Codes, Industrial 25 Codes, Matrix 25 Codes,  China Postal Code，UK/Plessey，GS1 |

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|  | **2D:** QR code，PDF417，Data matrix | | | | |
| **Physical Characteristics** | | | | | |
| Dimensions | 90mm\*67mm\*168mm(L\*W\*H) | | | | |
| Weight | 120g(not included cable) | | | | |
| Indicator | Beeper, LED | | | | |
| **Environmental Characteristics** | | | | | |
| Temperature | -20°- 65°C (operation) ， -30°- 70°C (storage) | | | | |
| Humidity | 5 - 90% (operation) ；5 - 90% (storage)5 | | | | |
| Ambient Light: | Up to 80,000 lx | | | | |
| Shock Drop Test | 1.5m drop onto concrete surface | | | | |
| **Decoding Depth of Field** | | | | | |
| Symbology | Resolution | Barcode  number | Barcode width | Nearest | Farthest |
| Code 128 | 5mil | 20 | 4.3x1.5cm | 4cm | 8cm |
| Code 128 | 15mil | 7 | 4.3x1.5cm | 7cm | 32cm |
| Code 39 | 6.67mil | 16 | 4.4x1.5cm | 8.5cm | 11cm |
| Code 39 | 20mil | 4 | 4.3x1.5cm | 7cm | 37cm |
| EAN-13 | 13..34mil | 13 | 4.2x1.5cm | 6cm | 22cm |
| QR code | 20mil | 120 | 2x2cm | 4.5cm | 22cm |
| Data Matrix | 6.67mil | 60 | 0.5x0.5cm | 3cm | 11cm |
| Screen QR Code |  | 18 | 2.1x2.1cm | 3cm | 41cm |
| Screen QR Code |  | 18 | 3.7x3.7cm | 10cm | 78cm |