

NCTS-NB2D2W

2D CMOS BARCODE  
2.4 GHZ



## NCTS-NB2D2W

(2D CMOS Wireless RF433 Handheld Barcode Scanner)

|                         |   |
|-------------------------|---|
| Technical parameters    |   |
| Wireless specifications |   |
| Communication           | 433   |
| Communication frequency | 433 to 440MHz   |
| Transmission range      | 100M ( In empty area 80m-100m ) -real time mode<br>No limitation --Cache mode |
| Data rate               | 10kbps  |
| Memory                  | 100,000@13Byte barcode  |
| Battery capacity        | 2000mAh (Lithium battery)   |

|                                  |  |
|----------------------------------|--|
| Charging time                    | 6H   |
| The life time of the full charge | 6h (continuous reading situation)<br>12h (Manual reading situation)<br>More than 15 days (Stand-by time) |
| Communication mode               | Read-time mode/Inventory mode / Cache mode   |
| Electrical Characteristics       |  |
| Interface                        | USB HID KEYBOARD/USB VCP   |
| Voltage requirement              | 5VDC±10%   |
| Current consumption              | Max:120mA  |
| Optical Characteristics          |  |
| Photo sensor                     | CMOS array sensor  |
| SENSOR RESOLUTION                | 648×488 pixels   |
| Light source                     | 5600K white LED  |
| Aim light source                 | Red Bar led  |
| Performance Characteristics      |  |
| Decode angle                     | Pitch angle:±55°<br>Skew angle:±55°<br>Tilt angle:±180°  |
| Min resolution                   | 1D:5mil<br>2D:9mil   |
| Min.PCS value                    | > 30%UPC/EAN 13 (13mil)  |
| Field of View                    | 40°(H),30°(V)  |
| Identification                   | 1D: UPC-A,UPC-E,EAN-8,EAN-13,Code 39,Code 128,Interleaved 2 of 5. Codabar,                               |

|                               |  |
|-------------------------------|--|
|                               | Code 93<br><br>2D: PDF417, MicroPDF417, Data Matrix, QR Code, Aztec    |
| Physical Characteristics      |  |
| Dimension                     | Scanner: 70mm*95mm*168mm(L*W*H)  |
| Environmental Characteristics |  |
| Temp                          | 0°to 50°C / 32°to 122°F(operation) ) -40°- 80°C /-40°to 176°F(storage) |
| Humidity                      | 5 - 95% (operation) ) 5 - 95% (storage)                                |
| Shock drop test               | 1.5m drop onto concrete surface  |
| Ambient Light:                | 0-86,000LUX  |
| Regulatory                    |  |
| Electrical Safety             | UL 60950, EN/IEC 60950   |
| EMI/RFI                       | FCC Part 15 Class B, EN 55024/CISPR 22                                 |
| Environmental                 | RoHS   |

## Depth of field

| Symbology   | Min depth of field | Max depth of field |
|-------------|--------------------|--------------------|
| 5mil code39 | 30mm               | 80mm               |
| UPCA 13mil: | 50mm               | 210mm              |