

## DS-8100 2D Bluetooth Barcode Scanner With Cradle



### Optical property

<b>Imaging Sensor</b>	CMOS
<b>Resolution</b>	640×480, Global Exposure
<b>Illumination</b>	(Aimer) Red color LED (Illumination) White color LED
<b>Scan Mode</b>	Image Scanning
<b>Precision</b>	1D ≥4mil 2D ≥6.8mil
<b>Print Contrast</b>	≥20%

### Operating Characteristic

<b>Operating Environment</b>	-10°C-50°C
<b>Storage Environment</b>	-20°C-70°C
<b>Operating Humidity</b>	5%-95% (No Condensation)
<b>Ambient Illumination</b>	60000 lx

### Electrical Specification

<b>Working Voltage</b>	DC5.0V±5%
<b>Maximum Current</b>	395 mA
<b>Battery Capacity</b>	2000 MAH
<b>Charging Time</b>	5-7 hours

### Transmission Performance

<b>Transmission Mode</b>	2.4G Wireless / Bluetooth
<b>Transmission Distance</b>	2.4G Mode In Open Visual Distance ≤60 Meters Bluetooth Mode In Open Visual Distance ≤10 Meters

### Decoding Capability

<b>Scan Angle</b>	34° V x 30° H (Nominal)
<b>Depth of Field</b>	Code 128 60mm~200mm(10mil) QR Code 160 bytes (paper) 40mm-120mm (10mil) DM Code 100 bytes (paper) 50mm-140mm (15mil) QR Code 18 bytes (screen) 50mm-250mm (10mil)
<b>Decoding</b>	<b>2D</b> PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code, etc.. <b>1D</b> Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4 Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar Code 93, Code 11 etc..

### RFID parameter

#### 1. RFID Feature

- Reader (HF tags, tags, smart devices)
- Writer
- Mode -For popular label type and HID mode. Customizable via the application on SPP/BLE.

<b>Carrier Frequency</b>	13.56 MHz (RFID HF)
<b>Read/Write Speed</b>	26 kbps (ISO 15693), 106kbps (ISO 14443)
<b>Antenna</b>	Integration, 25mm x 4mm, Balance

#### 2. Read & Write

<b>Support</b>	ISO15693: Vicinity Card ISO/IEC 14443 A and B: Mifare, Sony FeliCA Conform to EPC GEN 2 HF
<b>Performance</b>	Carrier frequency: 13.56 MHz (RFID HF), Read/Write speed: 26 kbps (ISO 15693), 106kbps (IEC 14443), Antenna: Integration
<b>High-frequency RFID tag support</b>	ISO15693: I code SL2, LRI512, my-d, label It HF-I Proprietary: ICode SLI, PicoTag (no collision avoidance), Tag It HF ISO/IEC 14443 A and B compatible tags, all variants (Mifare, Sony FeliCA), tag read & write mode.
<b>High-frequency RFID tag write Mode</b>	Supports write mode via Bluetooth BLE. Compatibility depends on the type and content of the card.
<b>Maximum RFID reading range</b>	0.4"- 2" (10- 30 mm)

### Others

<b>Prompting Mode:</b>	1. Buzzer 2. LED Indicator Light 3. Vibration
<b>Scan Mode (Hand-held)</b>	1. Trigger Mode 2. Continuous Mode 3. Auto Sense Mode 4. Others
<b>Charging Interface</b>	USB(B)/USB(A)

### Physical Property

<b>Measure</b>	L*W*H (mm): 205*73*110mm
<b>Cable</b>	1.5m
<b>Color</b>	Blue/White

### Safety Code

<b>IP Rating</b>	IP54
<b>Shock Resistance</b>	1 Meter High Free Fall
<b>Certificates</b>	CE, FCC, ROHS etc...

