

# NLS-BS80

## Barcode Scanner



NLS-BS80 1D, a portable pocket scanner, is based on Bluetooth wireless communication. It can read international standard 1D barcode compatible with IOS and Android system.

The NLS-BS80 1D has three data transmission modes: Synchronous/Asynchronous/Batch modes. Its excellent ultra-low power design delivers an outstanding battery life.

The NLS-BS80 1D can be connected to PDA, smart phone and PAD application via Bluetooth. It can be not only widely applied in traditional market such as Mobile Clinic, Store Visit but also O2O market like electronic ticketing and electronic order.

### Features

- **Superior Performance**

Its core technology **UIMG** is solely developed by Newland, demonstrating an unprecedented decoding capability on standard 1D symbologies. Users can create their own apps with our development tools to identify particular images and symbols. Compatible with Bluetooth 4.0, 3.0 and 2.1, the barcode scanner enjoys enhanced data rate.

### Depth of Field

Symbology	Barcode Density	Depth of Field (mm)
Code 39	10mil	65-285
Code 39	15mil	50-400

Note: Test conditions: T=23°C, Illumination=300 LUX

## NLS-BS80 Specifications

### Performance

<b>Light Source</b>	620 nm visible red LED
<b>Symbologies</b>	1D: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, ISSN, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar, etc.
<b>Resolution</b>	5 mil
<b>Pitch</b>	±55°@ 0°Roll and 0°Skew
<b>Scan Angle**</b>	<b>Roll</b> ±25°@ 0°Pitch and 0°Skew
	<b>Skew</b> ±75°@ 0°Roll and 0°Pitch
<b>Minimum Symbol Contrast</b>	30%
<b>Scan Rate</b>	300 scans per second
<b>Interfaces</b>	Micro USB, Bluetooth HID/SPP profiles
<b>Bluetooth Transmission Range</b>	50m (open space)
<b>Wireless Standards</b>	2.4– 2.5GHzISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR
<b>Memory Capacity</b>	1MB (capable of storing the data of over 20,000 EAN-13 barcodes)

### Mechanical/Electrical

<b>Dimensions(L x W x H)</b>	88.0 ×46.0 × 24.5mm
<b>Weight</b>	62g
<b>Notification</b>	Sound, LED and vibration
<b>Battery</b>	3.7V 900mA rechargeable Li-ion battery
<b>Battery Life</b>	12 hours of continuous operation (Synchronous mode, scan and send data per 6s)
<b>Charging Time</b>	3.5 hours
<b>Power Adaptor(optional)</b>	Output: DC 5V, 500mA    Input: AC 100 ~ 240V, 50~60Hz
<b>Current</b>	<b>Operating Current</b> 75mA (Bluetooth is on)
	<b>Sleep Current</b> 5mA

### Environmental

<b>Operating Temperature</b>	-20°C ~55°C
<b>Storage Temperature</b>	-40°C ~ 80°C
<b>Humidity</b>	5%~ 95%(non-condensing)
<b>Static Discharge</b>	±8 KV (Contact discharge); ±15 KV(Air discharge)
<b>Drop</b>	1.2m
<b>Sealing</b>	IP42

### Certifications

FCC Part15 Class B, CE EMC Class B

#### \*\*Test conditions:

Code 39, 3 Bytes; Resolution=10mil; W:N=3:1; PCS=0.8; Barcode Height=11mm;Scan Distance=120mm, T=23°C, Illumination=300 LUX

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