

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℃, Illumination=300 LUX

NLS-BS80 Specifications

Performance

Light Source		620 nm visible red LED
Symbologies		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.
Resolution		5 mil
Scan Angle**	Pitch	±55°@ 0°Roll and 0°Skew
	Roll	±25°@ 0°Pitch and 0°Skew
	Skew	±75°@ 0°Roll and 0°Pitch
Minimum Symbol Contrast		30%
Scan Rate		300 scans per second
Interfaces		Micro USB, Bluetooth HID/SPP profiles
Bluetooth Transmission Range		50m (open space)
Wireless Standards		2.4– 2.5GHzISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR
Memory Capacity		1MB (capable of storing the data of over 20,000 EAN-13 barcodes)

Mechanical/Electrical

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

Environmental

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

Certifications

FCC Part15 Class B, CE EMC Class B



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