



Newland AIDC
Scanning Made Simple



NLS-BS80-HC

POCKET BLUETOOTH BARCODE SCANNER

FEATURES

○ Disinfectant-ready Enclosure

The BS80-HC in a housing created with nSHIELD™*Antimicrobial agent, features a disinfectant-ready enclosure purpose-built to resist the harmful effects of harsh cleaning detergent commonly used in healthcare environments and minimize the spread of infectious diseases.

○ Long Battery Life

Along with Bluetooth 4.0 low energy support, the high capacity Li-ion battery in the scanner provides up to 6 hours of continuous use per charge.

○ Highly Visible Laser Aimer

The scan engine provides a laser-generated crosshair aiming pattern that is clear and bright even in bright sunlight, ensuring first time accurate aim.

○ Bluetooth Communication

The BS80 equipped with Bluetooth 4.0 Class 1 technology enjoys enhanced data rate, five times faster than regular Bluetooth.

○ iOS & Android Compatible

Supporting both iOS and Android operating systems, the BS80-HC outperforms its competitors at compatibility.

○ Easy to Use, Easy to Carry

The BS80-HC sports stylish looks, a compact size and foolproof operation with merely three buttons requiring virtually no training.

○ Industrial-grade Durability

This rugged IP42-sealed barcode scanner can withstand multiple 1.2m drops to concrete.



1D Barcode



2D Barcode



IP42



1.2m Drop



USB



Bluetooth



Healthcare

NLS-BS80-HC

Performance

Image Sensor		752×480 CMOS
Memory		1MB (capable of storing the data of over 20,000 EAN-13 barcodes)
Symbolologies	2D	PDF417, QR Code, Data Matrix, Chinese Sensible Code.
	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, AIM-128, ITF-14, ITF-6, Matrix 2 of 5, Industrial 2 of 5, Standard 25, Code 11, Plessey, MSI-Plessey.
Resolution*		≥5mil
Typical Depth of Field*	EAN-13	60mm-380mm (13mil)
	Code 39	60mm-190mm (5mil)
	Data Matrix	85mm-140mm (10mil)
	QR Code	40mm-190mm (15mil)
	PDF417	85mm-150mm (6.7mil)
Min. Symbol Contrast*		30%
Scan Angle**		Roll: 360°; Pitch: ±50°; Skew: ±50°

Physical

Interface		Micro USB, Bluetooth HID/SPP/BLE profiles
Dimensions		88.0(L)×46.0(W)×24.5(H)mm
Weight		62g
Notification		Beep, LED and vibration
Battery		3.7V 900mAh rechargeable Li-ion battery
Expected Battery Life		6 hours of continuous operation (Synchronous mode, scan and send data once per 6s)
Expected Charge Time		3.5 hours
Current	Operating	260mA (Bluetooth is on)
	Standby	10mA

Wireless

Bluetooth Transmission Range		50m/164 ft. (open space)
Wireless Standards		2.4 - 2.5GHz ISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR

Environmenta

Operating Temperature		-20°C to 50°C (-4°F to 122°F)
Storage Temperature		-40°C to 70°C (-40°F to 158°F)
Humidity		5% to 95% (non-condensing)
ESD		±8 KV (contact discharge); ±15 KV (air discharge)
Drop		1.2m
Sealing		IP42
Approved Cleaners		Disinfectant Ready. Refer to the user guide for the list of approved cleaners.

Certificates

Certificates & Protection		FCC Part15 Class B, CE EMC Class B, RoHS
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*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.1

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