



NLS-BS800 SERIES

COMPANION BARCODE SCANNER

FEATURES

○ Newland AIDC Latest Technology

Armed with Newland's latest technology, the scanner can read 1D & 2D barcodes printed on paper or displayed on a screen with ease.

○ Long Battery Life

Along with Bluetooth 4.0 low energy support, the high capacity Li-ion battery in the scanner provides longer battery life.

○ 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 NLS-BS800 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 NLS-BS800 outperforms its competitors at compatibility.

○ Industrial-grade Durability

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

○ Easy to Use, Easy to Carry

The NLS-BS800 sports stylish looks, a compact size and foolproof operation with merely three buttons requiring virtually no training.



1D Barcode



2D Barcode



IP42



1.2m Drop



USB



Bluetooth



Warehousing



Retail

NLS-BS8080 Series

Performance

	NLS-BS8080-ID	NLS-BS8080-2D
Image Sensor	2500 Linear Imager	1280x800 CMOS
Symbologies	ID: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, ISSN, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GSI Databar, etc.	2D: PDF417, QR Code, Data Matrix, etc. ID: Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, ISSN, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GSI Databar, etc.
Resolution*		≥5mil
Typical Depth of Field*	Code 128 (10mil) 60mm-500mm EAN-13 (13mil) 55mm-550mm Code 39(5mil) 70mm-185mm	EAN-13 (13mil) 50mm-540mm Code 39 (5mil) 65mm-260mm Code 128 (10mil) 38mm-411mm QR Code (15mil) 20mm-320mm PDF417 (6.7mil) 50mm-195mm Data Matrix(10mil) 40mm-250mm
Min. Symbol Contrast*	25%	20%
Scan Angle**	Pitch: ±60°; Skew: ±60°	Pitch: ±60°; Tilt: 360°; Skew: ±60°

Physical

Interface	Type-C USB, Bluetooth HID/SPP/BLE profiles	
Dimensions	88.0(L)×46.0(W)×24.5(H)mm	
Weight	67g	63g
Notification	Beep, LED and vibration	
Battery	3.7V 900mAh rechargeable Li-ion battery	
Expected Battery Life	6.5 hours of continuous operation (scan once per 6s)	5 hours of continuous operation (scan once per 6s)
Expected Charge Time	3.5 hours	
Current	Operating Current: 185mA (Bluetooth is on) Standby Current: 25mA	Operating Current: 280mA (Bluetooth is on) Standby Current: 11mA
Memory	1MB (capable of storing the data of over 20,000 EAN-13 barcodes)	

Wireless

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

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Charging Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5% to 95% (non-condensing)
ESD	±4 KV (Contact discharge); ±12 KV (Air discharge)
Drop	1.2m
Sealing	IP42

Certificates

Certificates & Protection	CE RED, FCC, TELEC, IEC 62471, RoHS, IEC60825
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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: V2.6

Newland AIDC

Add: No.1 Ruijiang West Rd.,
Mawei, Fuzhou, Fujian 350001, China
Tel: +86-591-83979500
Fax: +86-591-83979216
Email: info@nlscan.com
Web: www.newlandaidc.com

Asia Pacific

Add: 6 Raffles Quay #14-06
Singapore 048582
Email: info@nlscan.com

Europe & Middle East

Add: Rolweg 25, 4104 AV Culemborg,
The Netherlands
Tel: +31 (0) 345 87 00 33
Email: sales@newland-id.com
Tech Support: tech-support@newland-id.com

North America & Latin America

Add: 46559 Fremont Blvd.,
Fremont, CA 94538, USA
Tel: +1 510 490 3888
Fax: +1 510 490 3887
Email: info@nlscan.com