![Newland AIDC - Scanning Made Simple]

NLS-BS8080 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-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 NLS-BS80 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-BS80 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-BS8080-1D	NLS-BS8080-2D
Image Sensor	2500 Linear Imager	1280x800 CMOS
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.	2D: PDF417, QR Code, Data Matrix, etc. 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*		≥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

	NLS-BS8080-1D	NLS-BS8080-2D
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

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	-20ºC to 50ºC (-4ºF to 122ºF)
Storage Temperature	-40ºC to 70ºC (-40ºF to 158ºF)
Charging Temperature	0ºC to 45ºC (32ºF to 113ºF)
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

*Test conditions: T=23℃; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.

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

1D: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V2.6

Newland AIDC
Scanning Made Simple