Newland AIDC
SCANNING MADE SIMPLE



BS80 Piranha II 1D

General Purpose Handheld Scanners

1.2m drop | 1D | Bluetooth 4.0 | CMOS | EasySet | IP42

LED Aimer | Warranty 3 Years



Features

Superior 1D Reading Performance
Equipped with a snappy 1D engine, the BS80 Piranha II can read all major 1D symbologies from both paper and screen.

Easy Bluetooth Pairing
With Bluetooth 4.0 wireless technology, the BS80 Piranha II enables effortless pairing to any Android, iOS, or Windows device, making it simple and convenient for users to transmit data.

Seamless Barcode Capture and Storage
The BS80 Piranha II offers versatile barcode scanning capabilities, enabling fast real-time scanning with seamless data transfer to the host via Bluetooth. However, users can also take advantage of the 1MB memory when operating in batch collection mode, which can store thousands of barcodes offline for subsequent download via Bluetooth or cable.

Edits On the Go
The BS80 Piranha II boasts not only a reliable scan button but also two extra buttons for convenient data editing. For data collection mode, the Delete button allows users to quickly rectify scanning errors by deleting the last scanned barcode. Meanwhile, the Function button serves as a virtual keyboard recall feature, enabling manual data input on a wide range of host devices, including iOS products. This makes the BS80 Piranha II an ideal companion for all your data collection needs.

Versatile Charging & Communication
The BS80 Piranha II features a fast and reliable USB-C port that can be used both for charging and establishing a connection to a host to download data or access the EasySet configuration software. In addition, the device also supports the use of pogo pins to charge via the cradle.

3 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

BS80 Piranha II 1D

Data Capture

1D	All major 1D symbologies, including 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.
Depth of Field Code 128 (10mil)	60 mm - 500 mm
Depth of Field Code 39 (5mil)	70 mm - 185 mm
Depth of Field EAN 13 (13mil)	55 mm - 550 mm
Image Sensor	2500 linear imager
Minimal Print Contrast	25%
Scan Angle Pitch	±60°
Scan Angle Skew	±60°

Physical

Battery Type	3.7 V, 900 mA, Rechargeable Li-ion battery
Current @ 5VDC Operating	185 mA (Bluetooth is on)
Current @ 5VDC Standby	25 mA
Dimensions	88(W) × 46(D) × 24.5(H) mm
Expected Battery Life	6.5 hours of continuous operation (scan once per 6s)
Interfaces	USB-C
Notifications	Beep, LED, Vibration
Weight	67 g

Wireless

Radio Technology	2.4 - 2.5 GHz ISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR
Wireless Distance (max.)	50 m (open space)

Environmental

Charge Temperature	0°C to 45°C (32°F to 113°F)
Drop	1.2 m
Electro Static Discharge (ESD)	±4 kV (direct discharge), ±12 kV (air discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP42
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	CE RED, IEC 62471, CE UK, FCC, TELEC, RoHS, IEC 60825

Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Extension	+2 Years
Warranty Standard	3 Years

Accessories

Accessories Optional	Fast charging power adapter, Charging and communication cradle
Accessories Standard	USB-C cable

What's in the box?

NLS-BS8080-1D	BS80 Piranha 1D, USB-C cable

Accessories

Charging/Power	AD60-D-M Power Supply with Multiplug Adapter (AD60-D-M) ADP710 Power Supply for Mobile Computers (ADP710)
Cables	CBL-TC-N7 USB to USB-C Cable (CBL-TC-N7)
Base Stations	NLS-CCC-BS80-01 Charging and Communication Cradle for BS80 Series (NLS-CCC-BS80-01)

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Feel free to contact us or a partner near you.
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