



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



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) | ±12 kV (air discharge), ±4 kV (direct 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 | FCC, CE RED, IEC 60825, IEC 62471, RoHS, CE UK, TELEC |
|-------------------------|---|

Warranty

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

Accessories

| | |
|----------------------|---|
| Accessories Optional | Multiplug adapter, Charging cradle, Fast charging power adapter |
| Accessories Standard | USB-C cable |

What's in the box?

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

Accessories

Newland AIDC EMEA

Feel free to contact us or a partner near you.

info@newland-id.com - newland-id.com

Specifications are subject to change without notice

© Newland AIDC EMEA 2026 - All rights reserved