

**BS80 Piranha II 1D**  
Handheld Scanners

## 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.

### Multi-Device Charging

The BS80 Piranha II offers an optional two-bay charging solution that can be easily linked together to create a multi-charging station. With optimized charging capabilities, users can daisy-chain up to five cradles, allowing them to charge up to ten scanners simultaneously using a single power supply. 



## Suggested industries



# BS80 Piranha II 1D Technical specifications

## 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. |
| Image Sensor                    | 2500 Linear Imager   |
| Depth of Field EAN 13 (13mil)   | 55-550mm   |
| Depth of Field Code 39 (5mil)   | 70-185mm   |
| Depth of Field Code 128 (10mil) | 60-500mm   |

## Performance

|                        |  |
|------------------------|--|
| Minimal Print Contrast | 25%  |
| Scan Angle             | Pitch: $\pm 60^\circ$ ; Skew: $\pm 60^\circ$ |

## Physical

|                           |  |
|---------------------------|--|
| Dimensions (mm)           | 88.0(L) $\times$ 46.0(W) $\times$ 24.5(H) mm         |
| Weight                    | 67g  |
| Interfaces                | Type-C USB, Bluetooth HID/SPP/BLE profiles           |
| Battery Type              | 3.7V 900mAh rechargeable Li-ion battery              |
| Expected Battery Life     | 6.5 hours of continuous operation (scan once per 6s) |
| Notifications             | Beep, LED and vibration                              |
| Current Operating/Standby | 185mA (Bluetooth is on)/25mA                         |

## 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)                             |
| Charge Temperature             | 0°C to 45°C (32°F to 113°F)                                |
| Humidity                       | 5%~95% (non-condensing)                                    |
| Electro Static Discharge (ESD) | $\pm 4$ KV (direct discharge); $\pm 12$ KV (air discharge) |
| Drop                           | 1.2m   |
| IP Rating                      | IP42   |

## Wireless

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

## Software

|                     |         |
|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

## Certifications

|          |  |
|----------|--|
| Hardware | CE RED, CE UK, FCC, TELEC, IEC 62471, RoHS, IEC60825 |
|----------|--|

## Warranty

|          |         |
|----------|---------|
| Standard | 3 years |
|----------|---------|

### Newland EMEA HQ

+31 (0) 345 87 00 33

[info@newland-id.com](mailto:info@newland-id.com)

[newland-id.com](http://newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com/partners](http://newland-id.com/partners)

Specifications are subject to change without notice

© Newland EMEA 2023, all rights reserved