



**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



Entertainment



Healthcare



Hospitality



Retail

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

## Physical

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

## 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)

## 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

## 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