Newland AIDC
SCANNING MADE SIMPLE

1D & 2D | Bluetooth 4.0 | Megapixel | Laser aimer | CMOS | IP42

1.2M drop | EasySet | Warranty 3 Years



BS80 Piranha II 2D

Handheld Scanners

Features

Superior Reading Performance

The BS80 Piranha II is offered in 2 versions, containing a 1D or a 1D+2D barcode scanning engine. Both of these engines read virtually any barcode from paper or screen. The 2D device has been equipped with a laser aimer with a red cross to make barcode reading easier and faster.

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

Offering versatile barcode scanning capabilities, the BS80 Piranha II enables 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

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



Optional

Suggested industries

Retail | Hospitality | Entertainment | Healthcare

BS80 Piranha II 2D 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.
2D	All major 2D symbologies, including PDF417, QR Code, Data Matrix, etc.
Image Sensor	1280x800 CMOS
Resolution	≥5mil
Depth of Field EAN 13 (13mil)	50-540mm
Depth of Field Code 39 (5mil)	65-260mm
Depth of Field Code 128 (10mil)	38-411mm
Depth of Field DataMatrix (10mil)	40-250mm
Depth of Field QR (15mil)	20-320mm
Scan Angle	Roll 360°; Pitch ±60°; Skew ±60°
Minimal Print Contrast	20%
Physical	
Battery Type	3.7V 900mAh rechargeable Li-ion battery
Current Operating/Standby	280mA (Bluetooth is on)/11 mA
Dimensions (mm)	88.0(L) × 46.0(W) × 24.5(H) mm
Expected Battery Life	5 hours of continuous operation (scan once per 6s)
Interfaces	Type-C USB, Bluetooth HID/SPP/BLE profiles
Notifications	Beep, LED and vibration
Weight	63g
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℃ to 50℃ (-4°F to 122°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
Charge Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5%~95% (non-condensing)

Newland AIDC EMEA

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Specifications are subject to change without notice

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BS80 Piranha II 2D Technical specifications

Electro Static Discharge (ESD)	±4 KV (direct discharge); ±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
Warranty Extension	+2 Years
Comprehensive Service	3 or 5 Years

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