Newland AIDC
SCANNING MADE SIMPLE

1D & 2D | Bluetooth 4.1 | Laser aimer | CMOS | Chip | IP42

1.2M drop | USB | Warranty 2 Years



BS80 Piranha

Handheld Scanners

Features

Superior reading performance.
The BS80 Piranha 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.
Via Bluetooth 4.0 Class 1 wireless technology, the BS80 Piranha can be paired with any Android, iOS or Windows device five times faster than regular Bluetooth.

Can be used anywhere, anytime.
The BS80 Piranha is small enough to fit into

Convenient communication.
Use the interface that suits your application best. The BS80 Piranha gives you the flexibility to choose your preferred communication method with options like HID keyboard and Virtual COM.

Hassle-free battery capacity.
The high capacity Li-ion battery in the scanner provides up to 11 hours of continuous use per charge, allowing you to work hassle-free all day.

Charging and communication cradle available (optional).

Application scenarios.

Suggested industries

Retail | Warehousing | Logistics | Hospitality | Healthcare



BS80 Piranha Technical specifications

Data Capture	
1D	All major 1D symbologies, including Code 128, UCC/EAN-128, AIM 128, EAN-8, JAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 25, ITF-6, ITF-14, Deutsche 14, Deutsche 12, COOP 25, Matrix 25, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI/Plessey, GS1 Databar.
2D	All major 2D symbologies, including PDF417, QR Code, Data Matrix.
Image Sensor	CMOS 752*480
Illumination	612nm-624nm red LED
Depth of Field EAN 13 (13mil)	60-380mm
Depth of Field Code 39 (5mil)	60-190mm
Depth of Field PDF417 (6.67mil)	85-150mm
Depth of Field DataMatrix (10mil)	85-140mm
Depth of Field QR (15mil)	40-190mm
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Minimal Print Contrast	30%
Performance	
Memory Flash	1MB
Physical	
Battery Type	3.7V 900mA rechargeable Li-ion battery
Buttons	SCAN,Delete,Function
Current @ 5VDC Operating	260mA (Bluetooth is on)
Current @ 5VDC Standby	10mA
Dimensions (mm)	88.0(L)×46.0(W)×24.5(H)mm
Expected Battery Life	6 hours of continuous operation
Expected Charge Time	3.5 hours
Input Voltage	5VDC±5%
Interfaces	Micro USB, Bluetooth HID/SPP/BLE profiles
Material	PMMA, ABS

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BS80 Piranha Technical specifications

Notifications	Beep, LED and vibration
Weight	62g
Wireless	
Radio Technology	2.4 - 2.5GHz ISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR
Wireless Distance (max.)	50m (open space)
Environmental	
Operating Temperature	-20℃ to 50℃ (-4°F to 122°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±8 KV (direct discharge); ±15 KV (air discharge)
Drop	1.2m
IP Rating	IP42
Certifications	
Hardware	FCC Part15 Class B, CE EMC Class B,RoHS,KC
Warranty	
Standard	2 years

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