

# BS8050-2V Piranha

Pocket Bluetooth Barcode Scanner (2D)



## Features

- ◆ **Snappy scanning from paper and screen**  
Armed with Newland's NLDC technology, the scanner can read 1D & 2D barcodes printed on paper or displayed on a screen with ease.
- ◆ **Compact and light**  
With dimensions of 88 x 46 x 24.5mm the BS80 Piranha is small enough to fit into a pocket and light enough to carry around all day, providing the convenience of always having a scanner at your fingertips.
- ◆ **Long Battery Life**  
Along with Bluetooth 4.0 low energy support, the high capacity Li-ion battery in the scanner provides up to 12 hours of continuous use per charge.
- ◆ **Bluetooth Communication**  
The Piranha equipped with Bluetooth 4.0 Class 1 technology enjoys enhanced data rate, five times faster than regular Bluetooth.
- ◆ **iOS & Android Compatible**  
Supporting both iOS and Android operating systems, the BS80 Piranha outperforms its competitors at compatibility.
- ◆ **Industrial-grade Durability**  
This rugged IP42-sealed barcode scanner can withstand multiple 1.2m drops to concrete.

## Application Scenarios

O2O (Online2Offline) applications: Barcode-enabled mobile payments, e-coupons/e-vouchers, etc.  
Traditional applications: Store visits, retail store management, mobile clinics, distributor management, etc.

# BS8050-2V Piranha

## Pocket Bluetooth Barcode Scanner (2D)

<b>Performance</b>	Image Sensor	752×480 CMOS	
	Symbologies	2D: PDF417, QR Code, Data Matrix 1D: 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.	
	Resolution	≥5mil	
	Typical Depth of Field	Code 39: 55mm-335mm(20mil) Data Matrix: 60mm-175mm(10mil) QR Code: 40mm-270mm(20mil)	
	Scan Angle	Pitch: ±50°; Roll: ±360°; Skew: ±50°	
	Min. Symbol Contrast	30%	
	Interface	Micro USB, Bluetooth HID/SPP profiles	
	Bluetooth Transmission Range	50m (open space)	
	Wireless Standards	2.4 - 2.5GHz ISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR	
	Memory Capacity	1MB (capable of storing the data of over 20,000 EAN-13 barcodes)	
	<b>Mechanical/</b>	Dimensions	88.0(L)×46.0(W)×24.5(H)mm
	<b>Electrical</b>	Weight	62g
		Notification	Sound, LED and vibration
		Battery	3.7V 900mA rechargeable Li-ion battery
	Expected Battery Life	6 hours of continuous operation (Synchronous mode, scan and send data once per 6s)	
	Expected Charge Time	3.5 hours	
	Power Adapter (optional)	Output: DC 5V, 500mA Input: AC100 ~ 240V, 50~60Hz	
	Current	Operating Current: 275mA (Bluetooth is on) Standby Current: 45mA	
<b>Environmental</b>	Operating Temperature	-20°C~50°C	
	Storage Temperature	-40°C~80°C	
	Humidity	5%~95% (non-condensing)	
	ESD	±8 KV (Contact discharge); ±15 KV (Air discharge)	
	Drop	1.2m	
	Sealing	IP42	
<b>Certifications</b>		FCC Part15 Class B, CE EMC Class B	

Newland EMEA  
+31 (0) 345 87 00 33  
info@newland-id.com

Newland D-A-CH  
+49 (0) 294 298 76758  
info@newland-id.de

Newland UK  
+44 (0) 1442 212 020  
info@newland-id.co.uk

Newland Nordic & Baltic  
+46 (0) 708 847 767  
nordic@newland-id.com

Newland Ibérica  
+34 (0) 93 303 74 66  
info@newland-id.es

Newland France  
+31 (0) 345 87 00 33  
france@newland-id.com

Newland Middle East  
+31 (0) 345 87 00 33  
middleeast@newland-id.com

Newland South Africa  
+27 (0) 11 553 8010  
info@newland-id.co.za

Newland Italy  
+39 (0) 335 773 0521  
italy@newland-id.com

Newland Russia  
+31 (0) 345 87 00 33  
russia@newland-id.com