



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 your pocket and light enough to carry around all day, providing you with the convenience of always having a scanner at your fingertips.

### 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.

Mobile payments, e-coupons/e-vouchers, retail store management, inventory management, distributor management and more.



## Suggested industries



Events



Healthcare



Hospitality



Transportation



Warehousing

# BS80 Piranha Technical specifications

## Performance

Image Sensor	CMOS 752*480
Memory Flash	1MB
Illumination	612nm-624nm red LED
Aiming	650nm laser diode
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 Data Matrix (10mil)	85-140mm
Depth of Field QR (15mil)	40-190mm
Minimal Print Contrast	20%
Scan Angle Roll	360°
Scan Angle Pitch	±55°
Scan Angle Skew	±55°
Field of View Horizontal	36°
Field of View Vertical	23°
Scan Modes	Trigger
Scan Rate	60 frames per second

## 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/NW7, Code 93, Code 11, Plessey, MSI/Plessey, GS1 Databar.
2D	All major 2D symbologies, including PDF417, QR Code, Data Matrix.

## Physical

Dimensions (mm)	88.0(L)×46.0(W)×24.5(H)mm
Weight	62g
Material	PMMA, ABS
Buttons	SCAN,Delete,Function
Interfaces	Micro USB, Bluetooth HID/SPP/BLE profiles
Battery Type	3.7V 900mA rechargeable Li-ion battery
Expected Battery Life	6 hours of continuous operation
Expected Charge Time	3.5 hours 3.5 hours
Notifications	Sound, LED and vibration
Input Voltage	5VDC±5%
Current @ 5VDC Operating	260mA (Bluetooth is on)
Current @ 5VDC Standby	10mA
Power Supply Input	DC 5V, 500mA
Power Supply Output	AC100 ~ 240V, 50~60Hz

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Specifications are subject to change without notice

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# BS80 Piranha Technical specifications

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)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±8 KV (direct discharge); ±15 KV (air discharge)
Drop	1.2m
IP Rating	IP42
Wireless	
WPAN RADIO	2.4 - 2.5GHz ISM band, compatible with Bluetooth 4.0/3.0/2.1+EDR
Wireless Distance (max.)	50m (open space)
Certifications	
Hardware	FCC Part15 Class B, CE EMC Class B,RoHS,KC
Warranty	
Standard	2 years