



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



Healthcare



Hospitality



Logistics



Retail



Warehousing

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 Data Matrix (10mil) | 85-140mm |
| Depth of Field QR (15mil) | 40-190mm |

Performance

| | |
|------------------------|------|
| Memory Flash | 1MB |
| Minimal Print Contrast | 30% |
| Scan Angle Roll | 360° |
| Scan Angle Pitch | ±55° |
| Scan Angle Skew | ±55° |

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 |
| Notifications | Beep, LED and vibration |
| Input Voltage | 5VDC±5% |
| Current @ 5VDC Operating | 260mA (Bluetooth is on) |
| Current @ 5VDC Standby | 10mA |

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 |

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BS80 Piranha Technical specifications

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) |

Certifications

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|----------|--|
| Hardware | FCC Part15 Class B, CE EMC Class B,RoHS,KC |
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Warranty

| | |
|----------|---------|
| Standard | 2 years |
|----------|---------|

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