



**HR52-BT
Bonito**
wireless handheld
scanner

FEATURES

Top-end barcode scanning.

The HR52-BT Bonito is equipped with a megapixel barcode scanner, which gives it some of the snappiest and most accurate scanning performances available. Its engine allows it to scan barcodes that are creased, damaged or covered by cellophane without hesitation.

Perfected for precise aiming.

Soft, white illumination combined with a clear cross laser aimer provide ideal conditions for point-and-shoot scanning. The cross laser is not only user-friendly, but also allows the HR52-BT Bonito to distinguish the correct barcode to scan from barcodes nearby.

Strong Bluetooth Wireless Tech.

Wireless standard Bluetooth 5.0 connects the HR52-BT Bonito to its docking station or another device (HID level). It provides a strong, reliable connection up to 50m from its host.

Adjusts to your environment.

The HR52-BT Bonito was designed as a solution ideal for various industries and applications. Its stand can be set for hands-free scanning at the POS, while keeping the device fully charged. Additionally, it can be mounted vertically or horizontally to suit any logistics environment.

Durable design.

Created with heavy use in mind, the HR52-BT Bonito has a 1.8m drop resistance. It will withstand drops and bumps during the most demanding operations.



HR52-BT Bonito in docking station.

Application Scenarios

point of sale • retail • warehouse • inventory • delivery services • healthcare

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|-----------------------------------|------------------------------------|---|
| Performance | Image Sensor | 1280×800 CMOS |
| | Illumination | White LED |
| | Aiming | 650nm laser diode |
| | Symbologies | 2D: PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc. Postal: USPS Postnet, Royal Mail, KIX Post, Australian Postal, etc. 1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc. |
| | Resolution | ≥3mil |
| | Motion Tolerance* | Max. 50cm/s |
| | Typical Depth of Field | EAN-13 (13mil): 30mm-550mm Code 39 (5mil): 90mm-230mm PDF417 (6.7mil): 110mm-210mm Data Matrix (10mil): 100mm-220mm QR Code (15mil): 30mm-370mm |
| | Scan Angle | Roll: 360°, Pitch: ±55°, Skew: ±55° |
| | Min. Symbol Contrast | 20% |
| | Field of View | Horizontal 48°; Vertical 28° |
| | Mechanical/ Electrical | Interfaces |
| Dimensions (L×W×H) | | Scanner: 95.5×77.5×172.5mm |
| Weight | | Scanner: 227g |
| Notification | | Beep, LED, vibration |
| Power Supply Voltage for Charging | | 5VDC±5% |
| 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) |
| | ESD | ±15KV (air discharge); ±8KV (direct discharge) |
| | Drop | Scanner: 1.8m, Cradle: 1.0m |
| | Sealing | IP54 |
| Wireless | Communication Modes | Automatic Batch and Manual Batch modes |
| | Radio Technology | Bluetooth 5.0 |
| | Communication Distance | ≥50m (in open space) |
| | Flash Memory | ≥15,000 code entries (Code 128, 20 bytes) |
| | Battery | 2200mAh lithium-ion battery |
| | Expected Battery Life | ≥12 hours of continuous operation (scan once per 6 seconds) |
| Expected Charge Time | ≤4 hours (with power adapter) | |
| Certifications | FCC Part15 Class B, CE EMC Class B | |

Specifications are subject to change without notice.

Version: Preliminary

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