Newland
SCANNING MADE SIMPLE

Kreski

1d	2d	cmos megapixel	ip54	1.8m drop	bluetooth
usb	rs232	2200 mah			

HR52 Bonito BT (Logistics Edition)
handheld scanners

Features

Unstoppable scanning performance.

Scan virtually any 1D or 2D barcode in any condition. The HR52 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. One press of the trigger is sure to capture the correct barcode, even if surrounded by other barcodes, by using Newland's Acuscan aiming technology.

Adjusts to your environment.

No matter where the scanner needs to fit into your business, the HR52 Bonito suits the setting. Its stand can be set for hands-free scanning, while keeping the device fully charged. On your plant floor or in your warehouse, it can be mounted vertically, horizontally or strung from the ceiling for easy access.

Durable design.

Everyday bumps and drops happen, especially in tough environments like a warehouse or manufacturing plant. That's why the HR52 Bonito was designed to withstand the most demanding operations and environments. A 1.8m drop resistance means it will survive fall from most machinery.

Maximised mobility.

Bluetooth 5.0 ensures ultrafast wireless communication with a docking station or other device (HID level). The strong, reliable connection of up to 50m offers all-day flexibility on the work floor.

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Application Scenarios

logistics	manufacturing	warehousing

Performance

Memory Flash	≥15,000 code entries (Code 128, 20 bytes)	
Image Sensor	1280x800 CMOS	
Illumination	White LED	
Aiming	650nm laser diode	
Depth of Field EAN13 (13mil)	35mm-565mm	
Depth of Field CODE 39 (5mil)	95mm-260mm	
Depth of Field PDF417 (6.67mil)	90mm-200mm	
Depth of Field Data Matrix (10mil)	80mm-210mm	
Depth of Field QR (15mil)	30mm-360mm	
Minimal Print Contrast	20%	
Scan Angle Roll	360°	
Scan Angle Pitch	±55°	
Scan Angle Skew	±55°	
Field of View Horizontal	48°	
Field of View Vertical	28°	
Scan Modes	Automatic Batch, Manual Batch	
Motion Tolerance	50cm/s	

Data capture

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.
2D	PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc.

Physical

Dimensions (mm)	Scanner: 95.5(L)x77.5(W)x172.5(H)mm
Weight	227g
Interfaces	RS-232, USB
Battery Type	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)
Notifications	Beep, LED indicator, vibration
Input Voltage	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% to 95% (non-condensing)
Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
Drop	Scanner: 1.8m. Cradle: 1.0m
Sealing	IP54

Wireless

Communication Distance	≥50m (in open space)
Communication Modes	Automatic Batch and Manual Batch modes

Certifications

Certifications	FCC Part15 Class B, CE EMC Class B

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