Newland
SCANNING MADE SIMPLE

1D & 2D | CPU | Bluetooth 5.0 | 2600 mAh | USB | CMOS

IP52 | 1.5m drop | EasySet | Warranty 5 Years



HR23 Dorada Bluetooth

Handheld Scanners

Features

Dorada's replaceable Battery

If the 12 hours of continuous use the battery gives the HR23 is not enough, the latest Bluetooth device in the Dorada series comes with an easily removable battery, which allows for uninterrupted usage and enhances operational efficiency. Furthermore, the device has a new charging contact design ensures reliable and long-lasting connections, significantly improving the battery life-cycle compared to its predecessor.

Enhanced Connectivity

The HR23 Dorada, like the HR22, comes with Bluetooth 5.0 connectivity. However, we have taken it up a notch and increased its wireless range up to 100 meters in open spaces to enhance our customers' flexibility. Moreover, the HR23 Dorada ensures seamless synchronous, asynchronous, and batch communication modes for all scanning requirements.

Rugged Reliability

With an IP52 rating and the ability to survive a 1.5m drop onto concrete, the HR23 Dorada is well-suited to any environment and is an ideal companion for demanding scanning tasks.

Advanced Scanning

The HR23 Dorada is a scanning device equipped with the latest Newland key decoding technology. It can scan all types of barcodes, even those that are distorted, damaged, or high-density. The device's field of view covers both horizontal and vertical directions. Additionally, the HR23 Dorada offers a seamless scanning experience, allowing for a smooth transition from 1D to 2D scanning. All these features come at an entry-level price, making it an affordable option for those looking for a reliable and efficient scanning device.

Stylish and comfortable

The HR23 Dorada boasts a well-balanced and ergonomic design, allowing the scanner to fit perfectly in the user's hand. Its lightweight and simple yet innovative design provides comfort and high productivity for tasks performed with efficiency.

Easyset Compatible

The HR23 Dorada comes with EasySet, a configuration software developed by Newland. This software simplifies the scanner configuration process, making it easy and efficient for users. They can send the configuration directly to the scanner, save it for future deployment on other scanners, or display it as a series of barcodes in a single document.





Suggested industries

Retail | Hospitality | Healthcare | Postal

HR23 Dorada Bluetooth Technical specifications

Data Capture	
1D	Code 11, Code 128, Code 39, GS1-128(UCC/ENA-128), AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, ITF-6, ITF-14, Standard 2 of 5, China Post 25, MSI-Plessey, Plessey, GS1Databar(RSS)
2D	PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR, Chinese Sensible Code
Image Sensor	640x480 CMOS
Aiming	Red LED
Illumination	White LED
Resolution	≥3mil
Depth of Field EAN 13 (13mil)	50mm-280mm
Depth of Field Code 39 (5mil)	50mm-120mm
Depth of Field PDF417 (6.7mil)	40mm-120mm
Depth of Field DataMatrix (10mil)	30mm-125mm
Field of View Horizontal	45°
Field of View Vertical	34°
Scan Angle Roll	360°
Scan Angle Pitch	±60°
Scan Angle Skew	±60°
Minimal Print Contrast	20%
Performance	
Memory Flash	≥16,384 code entries (above 60 bytes)
Physical	
Battery Type	2600mAh lithium-ion battery
Dimensions (mm)	Cradle: 140x90x144,5mm
Dimensions (mm)	Scanner: 117,5x67,5x144mm
Expected Battery Life	≥16 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	≤6 hours
Input Voltage	5V DC±5%
Interfaces	USB (Type A), support USB-KBW, USB-CDC, HID-POS
Notifications	Beep, LED, Vibration
Weight	Cradle: 340,5g
Weight	Scanner: 209g
Wireless	
Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	≥100m (in open space)
Communication Modes	Synchronous, asynchronous and batch mode
Environmental	
Operating Temperature	-10°C to 50°C (14°F to 122°F)

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Storage Temperature	-40 to 70°C (-40°F to 158°F)
Charge Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±8 KV (contact discharge); ±15 KV (air discharge)
Drop	Scanner: 1.5m drops to concrete (cradle: 1,2m)
IP Rating	IP52

Accessories

Standard	Charging cradle

Certifications

Hardware	CE Red, FCC ID, RoHS 2.0, IEC62471

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