Newland AIDC
SCANNING MADE SIMPLE



HR23 Dorada Bluetooth

General Purpose Handheld Scanners

1.5m drop | 1D & 2D | 2,600 mAh | Advanced Scripting | Bluetooth 5.0 | CMOS

CPU | EasySet | GS1 Ready | IP52 | USB | Warranty 5 Years



Features

Dorada's replaceable Battery
If the 16 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.

5 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

HR23 Dorada Bluetooth

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
Aiming	Red LED
Depth of Field Code 39 (5mil)	50 mm - 120 mm
Depth of Field DataMatrix (10mil)	30 mm - 125 mm
Depth of Field EAN 13 (13mil)	50 mm - 280 mm
Depth of Field PDF417 (6.7mil)	40 mm - 120 mm
Field of View Horizontal	45°
Field of View Vertical	34°
GS1 Ready	Yes
Illumination	White LED
Image Sensor	640 x 480 CMOS
Minimal Print Contrast	20%
Resolution	≥3mil
Scan Angle Pitch	±60°
Scan Angle Roll	360°
Scan Angle Skew	±60°

Performance

Memory Flash	≥16,384 code entries (above 60 bytes)

Physical

Battery Type	2600 mAh lithium-ion battery
Dimensions	Scanner: 117.5(L)×67.5(W)×144(H)mm; Cradle: 140(L)×90(W)×144.5(H)mm
Expected Battery Life	≥16 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	≤6 hours
Input Voltage	5 VDC ±5%
Interfaces	USB-A, USB-CDC, HID-POS
Notifications	Beep, LED, Vibration
Weight	Scanner: 209 g, Cradle: 340.5 g

Wireless

Communication Modes	Synchronous, Asynchronous, Batch
Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	≥100 m (in open space)

Environmental

Charge Temperature	0°C to 45°C (32°F to 113°F)
Drop	1.5 m
Drop with Cradle	1.2 m
Electro Static Discharge (ESD)	±8 kV (contact discharge), ±15 kV (air discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP52
Operating Temperature	-10°C to 50°C (14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet

Certifications

Certifications Hardware	CE RED, FCC ID, RoHS 2.0, IEC 62471

Warranty

Comprehensive Service Contract	3 Years, 5 Years
Warranty Standard	5 Years

Accessories

Accessories Optional	4-slot battery charger, 2,600 mAh battery, Wall mount clip
Accessories Standard	2-slot charging cradle

What's in the box?

NLS-HR2300-BT	HR23 Dorada BT, Stand/Docking station, USB cable

Accessories

Charging/Power	NLS-BTY2333 Battery for HR23 and HR33 Series (NLS-BTY2333) NLS-CD3233-4C 4-slot Battery Charger for HR23 and HR33 Series (NLS-CD3233-4C)
Base Stations	NLS-STD-WM001 Wall Mount Clip for HR Series (NLS-STD-WM001)

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Feel free to contact us or a partner near you.
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