ComX Computers
Product Specification Sheet

HR2300-BT

Newland HR23 Dorada Bluetooth 2D CMOS Wireless Handheld Scanner

Product Overview

Newland HR23 Dorada Bluetooth 2D CMOS Wireless Handheld Scanner, For direct connection or with Dongle, Stand with USB charging cable, 640x480 CMOS image Sensor, Red LED aiming, White LED illumination, 2600mAh Lithium-ion Battery, 16 hours of continuous operation











Specifications

Overview:

HR23 Dorada Bluetooth

The HR23 Dorada Bluetooth offers the best cordless 2D scanning at the price of a 1D scanner, thanks to Newland's advanced decoding technology. With its blended ergonomics and creative design, the HR23 Dorada offers comfort and productivity for quickly capturing barcodes. The HR23 Dorada Bluetooth is ideal for intensive handheld scanning, from high-density to damaged, vague, and distorted barcodes.

- Bluetooth
- 1D & 2D
- CPU
- Bluetooth 5.0
- 2600 mAh
- USB
- CMOS
- IP52
- 1.5m drop
- EasySet

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.

Specifications:

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Specifications	
Product Code	HR2300-BT
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 degrees
Field of View Vertical	34 degrees
Scan Angle Roll	360 degrees
Scan Angle Pitch	+/-60 degrees
Scan Angle Skew	+/-60 degrees
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 degreesC to 50 degreesC (14 degreesF to 122 degreesF)
Storage Temperature	-40 to 70 degreesC (-40 degreesF to 158 degreesF)
Charge Temperature	0 degreesC to 45 degreesC (32 degreesF to 113 degreesF)
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

Product Information Online

For the latest product information, availability and purchasing details, please visit the product page:

Product page:
https://www.comx-computers.co.za/HR2300-BT-Newland-HR23-Dorada-Bluetooth-2D-CMOS-Wireless-Handheld-Scanner-p-305503.php

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