Newland AIDC
SCANNING MADE SIMPLE

HR23 Dorada AI Bluetooth White

General Purpose Handheld Scanners

1.8m drop | 1D & 2D | 2,600 mAh | Advanced Scripting | AI-Powered Barcode Detection | Antibacterial Coating

Bluetooth 5.0 | CMOS | CPU | EasySet | GS1 Ready | IP52

OCR | USB | Warranty 5 Years

Features

Power That Lasts
The HR23 Dorada AI Bluetooth White provides over 12 hours of continuous use on a single charge. If the battery runs out, the compartment has a latch-release opening that allows for convenient replacement without interrupting your tasks. Additionally, the low-battery indicator has two colors, offering a quick visual cue when it's time to change the battery. The new magnetic contact on the stand ensures easy connectivity and high reliability.

Stay Connected
The HR23 Dorada AI Bluetooth White scanner features Bluetooth 5.0 connectivity and can scan items from distances of up to 100 meters in open spaces. You can connect the communication and charging stand directly to a device via Bluetooth or use it with a dongle to ensure a reliable wireless connection.

Precision Meets Value
The HR23 Dorada AI White Series offers outstanding scanning performance at an entry-level price. Thanks to Newland's advanced decoding technology, it can quickly, accurately, and reliably read both 1D and 2D barcodes, even when damaged or distorted. Equipped with AI-powered barcode detection technology, the Dorada AI White Series uses computer vision and self-learning capabilities to accurately interpret barcodes, even on reflective or curved surfaces. The devices efficiently analyze images to detect, locate, and read barcodes. These enhanced decoding technologies make the HR23 Dorada AI White Series a dependable solution for a wide range of applications, delivering excellent performance and value.

Smarter Data Capture
The HR23 Dorada AI Series White includes an LED aimer for precise barcode scanning, making it ideal for high-density workloads. Additionally, the Dorada AI White Series is equipped with advanced Optical Character Recognition (OCR) technology for efficient data recognition.

Advanced Scripting
The HR23 Dorada AI White Series scanner features Advanced Scripting, allowing users to customize and automate the scanner's behavior by writing scripts in the programming language, Lua. This capability enables users to control how the scanner processes and interprets barcode data. While EasySet remains available for those who prefer it, the addition of Advanced Scripting provides even greater detail and customization.

Built for Reliability
The HR23 Dorada AI Bluetooth scanner in white is ergonomically designed to fit comfortably in your hand. It is lightweight yet sturdy, making it suitable for daily use. Its white color is perfect for medical environments where hygiene and a professional appearance are essential. The scanner is built for reliability, featuring an IP52 rating, a drop specification of up to 1.8 meters, and a 5-year warranty for added peace of mind.

TECHNICAL SPECIFICATIONS

HR23 Dorada AI Bluetooth White

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, GSI Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of S, Matrix 2 of S, Industrial 2 of S, ITF-6, ITF-14, Standard 2 of 5, China Post 25, M51-Plessey, Plessey, GS1Databar(RSS)
2D	PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR, Chinese Sensible Code
Aiming	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	800 x 640 CMOS
Minimal Print Contrast	20%
OCR	Default: Passport OCR,Chinese ID Card, China Travel Permit OCR. Optional: date andgeneral alphanumeric recognition.
Resolution	≥3mil
Scan Angle Pitch	±60˚
Scan Angle Roll	360˚
Scan Angle Skew	±60˚

Performance

Memory Flash	≥8,000 code entries

Physical

Battery Type	2,600 mAh lithium-ion
Dimensions	Scanner: 117,5 x 67,5 x 144 mm, Cradle: 140 x 90 x 144,5 mm
Expected Battery Life	≥15 hours of continuous operation
Expected Charge Time	≤6 hours
Housing	Antimicrobial coating
Input Voltage	5 VDC ±5%
Interfaces	USB-A, USB-KBW, USB-CDC, HID-POS
Notifications	Beep, LED, Vibration
Weight	Scanner: 209g , Cradle: 340,5g

Wireless

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

Environmental

Drop	1.8 m drops to concrete
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

Warranty

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

Accessories

Accessories Standard	USB cable, Stand/Docking station

What's in the box?

NLS-HR2300-V2-BT-W	HR23 Dorada AI BT White, USB cable, Stand/Docking station

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)

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Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

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