



HR23 Dorada AI Corded White

General Purpose Handheld Scanners



Features

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.

Designed for Healthcare

The HR23 Dorada AI White Series is the perfect solution for scan-intensive tasks in healthcare settings. This modern and attractive scanner is ergonomically designed to fit comfortably in the hand. While it is lightweight to minimize user fatigue, the scanner also feels sturdy and has an appealing look, ensuring an excellent overall user experience. Its white color is ideal for medical environments, where hygiene and a clean, professional appearance are top priorities.

Mount It Anywhere

The HR23 Dorada AI Corded White device can be purchased with a white smart adjustable stand. This stand is versatile, allowing users to adjust it from an upright position to a flat one, making it suitable for both desktop and wall-mounted use. Its white color ensures that it blends seamlessly into healthcare environments, providing added flexibility for the user's workspace.

Built to Last

The HR23 Dorada AI Corded White scanner provides users with added confidence for daily scanning, featuring an IP52 rating, a 1.8m drop specification, and a 5-year warranty.

TECHNICAL SPECIFICATIONS

HR23 Dorada AI Corded 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 5, Matrix 2 of 5, Industrial 2 of 5, 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
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 and general alphanumeric recognition.
Resolution	≥3mil
Scan Angle Pitch	±60°
Scan Angle Roll	360°
Scan Angle Skew	±60°

Physical

Current @ 5VDC Operating	190 mA (typical), 200 mA (max.)
Current @ 5VDC Standby	35 mA
Dimensions	95 x 68 x 161 mm
Housing	Antimicrobial coating
Input Voltage	5 VDC ±5%
Interfaces	USB-KBW, USB, USB-CDC, HID-POS, RS-232
Notifications	Beep, LED, Vibration
Weight	137 g

Environmental

Drop	1.8m 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	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet
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Warranty

Warranty Standard	5 Years
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Accessories

Accessories Optional	Multiplug adapter, Smart adjustable stand
Accessories Standard	USB cable, RS-232 cable

What's in the box?

NLS-HR2300-V2-S5-W	HR23 Dorada AI Corded White, 2 m USB cable
NLS-HR2300-V2-SA-W	HR23 Dorada AI Corded White, 2 m USB cable, White smart adjustable stand
NLS-HR2300-V2-S8-W	HR23 Dorada AI Corded White, 2 m straight RS-232 cable, Multiplug adapter

Accessories

Peripherals	EX232 Remora (NLS-EX232-01)
Base Stations	NLS-STD23-33-SA-W White Smart Adjustable Stand for HR23 and HR33 Series (NLS-STD23-33-SA-W)