Newland AIDC
SCANNING MADE SIMPLE



HR23 Dorada Corded

General Purpose Handheld Scanners

1.5m drop
1D & 2D
Advanced Scripting
CMOS
CPU
EasySet
GS1 Ready
IP52
Warranty 5 Years





Features

Outstanding Performance.
This new version of the Dorada scanner delivers exceptional scanning performance at an entry-level price. Improved decoding technology makes it the best scanner in terms of performance and value.

Comfortable and Balanced Design.
The HR23 Dorada is a modern and appealing scanner that is ergonomically designed to fit comfortably in the hand. Although lightweight to reduce user fatigue, the scanner feels sturdy and looks nice, making it an excellent all-round user experience.

Easyset
The Dorada series can be easily configured using Newland Easyset software. This tool, exclusively developed for Newland devices, allows users to change settings, clone devices, update firmware, and analyze scanned data.

Durable
Don't underestimate the robustness of the Dorada scanner. With an IP52 rating and a 1.5m drop spec, it is suitable for most applications that require a cabled barcode scanner.

Hands-free choices.
The HR23 Dorada offers various stands for hands-free scanning. The primary option is the adjustable Smart Stand, which can transition from an upright position to a flat layout. This adaptable stand is suitable for both desktop and wall-mounted options. Alternatively, there is a flexible gooseneck design available, which offers a graceful curve that adjusts effortlessly to your desired scanning distance and angle.

A trustworthy Guarantee.
With a 5-year guarantee, the HR23 Dorada offers added confidence for daily scanning.

5 Years Full Warranty
EasySet

TECHNICAL SPECIFICATIONS

HR23 Dorada Corded

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, MaxiCode
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°

Physical

Current @ 5VDC Operating	190 mA (typical), 200 mA (max)
Current @ 5VDC Standby	35 mA
Dimensions	117.5(L)×67.5(W)×144(H)mm
Input Voltage	5 VDC ±5%
Interfaces	USB-KBW, USB-CDC, HID-POS, RS-232
Notifications	Beep, LED, Vibration
Weight	137 g

Environmental

Drop	1.5 m
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

Certifications	
Certifications Hardware	CE, FCC, RoHS 2.0, IEC 62471
Warranty	
Comprehensive Service Contract	3 Years, 5 Years
Warranty Standard	5 Years
Accessories	
Accessories Optional	USB cable, RS-232 cable, USB-C cable, Smart adjustable stand, Smart gooseneck stand, Wall mount clip
Accessories Standard	USB cable, RS-232 cable
What's in the box?	
NLS-HR2300-S5	HR23 Dorada, 3,5 meter coiled USB cable
NLS-HR2300-SA	HR23 Dorada, 3,5 meter coiled USB cable, Smart adjustable stand
NLS-HR2300-S8	HR23 Dorada, 2 meter RS-232 cable, Multiplug adapter

Accessories

Charging/Power	ADP100 Power Supply for HR, FR, and FM Series (ADP100)
Cables	CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U) CBL030UA USB Cable for HR, FM, and FR (CBL030UA) CBL037R RS232 Cable for HR, FR, and FM Series (CBL037R) CBL042UA USB Cable for HR, FM, and FR Series (CBL042UA) CBL128R Cable for Magellan Connection (CBL128R)
Peripherals	EX232 Remora (NLS-EX232-01)
Base Stations	NLS-STD-WM001 Wall Mount Clip for HR Series (NLS-STD-WM001) NLS-STD23-33-SA Smart Adjustable Stand for HR23 and HR33 Series (NLS-STD23-33-SA) NLS-STD30i Smart Gooseneck Stand for Handheld Scanners (NLS-STD30i)

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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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