



HR33 Marlin AI Corded

General Purpose Handheld Scanners



Features

AI-Powered Scanning Technology.

The HR33 Marlin AI Series is equipped with Newland's UIMG and AI-Powered Barcode Detection scanning technologies. These advanced systems enable rapid, accurate, and reliable decoding of both 1D and 2D barcodes, even when damaged or distorted, and on reflective and curved surfaces. AI-powered devices use computer vision and self-learning to interpret barcodes accurately. They efficiently analyze images to detect, locate, and read barcodes. The HR33 Marlin AI Series excels in challenging conditions, demonstrating advanced decoding performance and providing a reliable scanning solution that functions flawlessly in any situation.

Scan with Precision.

The HR33 Marlin AI Series scanner is designed for precise barcode scanning. It features a laser aimer for accurate targeting and Acuscan aiming technology, which ensures that a single press of the trigger captures the correct barcode, even when multiple barcodes are nearby. Additionally, it comes with a megapixel sensor capable of reading various types of barcodes, including damaged or distorted ones, making it ideal for high-density workloads. The Marlin Series also boasts advanced OCR (Optical Character Recognition) capabilities for efficient data recognition and supports Digimarc digital watermark technology to enhance scanning efficiency further.

Advanced Scripting.

The HR33 Marlin AI 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. As a result, the HR33 Marlin AI Series is considered the best in its class.

Versatile Stand Design.

The HR33 Marlin AI Corded can be purchased alongside a smart adjustable stand. This stand can be adjusted from an upright position to a flat one, making it suitable for both desktop and wall-mounted use. This accessory provides added flexibility for the user's workspace.

Be confident with Newland.

The HR33 Marlin AI Series offers users confidence with an IP52 rating, a 1.8m drop specification, and a 5-year warranty. Newland AIDC EMEA presents a scanner that's up for the job, no matter the environment.

TECHNICAL SPECIFICATIONS

HR33 Marlin AI Corded

Data Capture

1D	Code 11, Code 128, Code39, 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, IT F-6, ITF-14, Standard 2 of 5,China Post 25, MSI-Plessey, Plessey, GS1Databar(RSS), Code 49, Code 16K.
2D	PDF417,QR Code, Micro QR, Data Matrix, Aztec, Maxi Code, Chinese Sensible Code, GM Code, Micro PDF417, Code One, Dotcode, Digimarc
Aiming	Laser
Depth of Field Code 39 (5mil)	30 mm - 270 mm
Depth of Field DataMatrix (10mil)	20 mm - 245 mm
Depth of Field EAN 13 (13mil)	35 mm - 535 mm
Depth of Field PDF417 (6.7mil)	35 mm - 215 mm
Field of View Horizontal	48°
Field of View Vertical	30°
GS1 Ready	Yes
Illumination	White LED
Image Sensor	1280 x 800 CMOS
Minimal Print Contrast	15%
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	260 mA max
Current @ 5VDC Standby	100 mA
Dimensions	117.5(L)×67.5(W)×144(H)mm
Input Voltage	5 VDC ±5%
Interfaces	USB-A, USB-KBW, USB-CDC, HID-POS, RS-232
Notifications	Beep, LED, Vibration
Weight	140 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 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)

Software

Configuration Tools	EasySet
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Warranty

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

Accessories

Accessories Optional	Wall mount clip, Multiplug adapter, Smart adjustable stand
Accessories Standard	USB cable

What's in the box?

NLS-HR3300-V2-S5	HR33 Marlin AI Corded, 3,5 meter coiled USB cable
NLS-HR3300-V2-SA	HR33 Marlin AI Corded, 3,5 meter coiled USB cable, Smart adjustable stand
NLS-HR3300-V2-S8	HR33 Marlin AI Corded, 2 meter straight RS-232 cable, Multiplug adapter

Accessories

Peripherals	EX232 Remora (NLS-EX232-01)
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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)
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