

HR33 Marlin AI Corded Healthcare

General Purpose Handheld Scanners



Features

AI-Powered Scanning Technology.

The HR33 Marlin AI Healthcare 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 HC Series excels in challenging conditions, demonstrating advanced decoding performance and providing a reliable scanning solution that functions flawlessly in any situation.

Precision and Performance.

The HR33 Marlin AI Corded Healthcare is a powerful barcode scanning device. It includes an LED aimer for precise barcode scanning and a megapixel sensor that can read various types of barcodes, including damaged or distorted ones. These capabilities make it well-suited for high-density workloads. Additionally, the Marlin HC Series is equipped with advanced Optical Character Recognition (OCR) technology for efficient data recognition and supports Digimarc digital watermark technology, further enhancing scanning efficiency.

Advanced Scripting.

The HR33 Marlin AI Healthcare 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 HC Series is considered the best in its class.

Versatile Stand Design.

The HR33 Marlin AI Healthcare Corded 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.

Designed for Comfort.

The HR33 Marlin AI Healthcare Series is ergonomically designed for comfort, making it ideal for scan-intensive use in healthcare and retail. These scanners fit comfortably in any user's hand, minimizing fatigue during prolonged operations.

Be confident with Newland.

The HR33 Marlin AI Healthcare Corded 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 Healthcare

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, TLC-39, Dotcode, Digimarc
Aiming	LED
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°
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
Housing	Antimicrobial coating
Input Voltage	5 VDC ±5%
Interfaces	USB, RS-232, HID-POS, USB-CDC, USB-KBW
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
Warranty	
Warranty Standard	5 Years
Accessories	
Accessories Optional	Multiplug adapter, Wall mount clip, Smart adjustable stand
Accessories Standard	USB cable
What's in the box?	
NLS-HR3300-V2-S5-W	HR33 Marlin AI Corded Healthcare, 2 meter white straight USB cable
NLS-HR3300-V2-SA-W	HR33 Marlin AI Corded Healthcare, 2 meter white straight USB cable, White smart adjustable stand
NLS-HR3300-V2-S8-W	HR33 Marlin AI Corded Healthcare, 2 meter straight RS-232 cable, Multiplug adapter

Accessories

Peripherals	EX232 Remora (NLS-EX232-01)
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Newland AIDC EMEA

Feel free to contact us or a partner near you.

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Specifications are subject to change without notice

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