



HR33 Marlin AI Bluetooth Healthcare

General Purpose Handheld Scanners



Features

Easily replaceable battery.

The HR33 Marlin AI Bluetooth Healthcare offers over 12 hours of continuous use on a single charge. If the battery runs out, the compartment features a latch-release opening for convenient replacement without interrupting your tasks. Additionally, the low-battery indicator features two colors, providing 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.

High Connectivity.

The HR33 Marlin AI Bluetooth Healthcare scanner boasts Bluetooth 5.0 connectivity and can scan items within a range of 100 meters in open spaces. Whether you connect the communication and charging stand directly to a device via Bluetooth or use it with a dongle, the Marlin ensures a reliable wireless connection.

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.

Scan & send or collect & send.

The HR33 Marlin AI Bluetooth Healthcare scanner features configurable modes that enable users to perform real-time scans and send data wirelessly. Additionally, it offers two types of offline storage for batch data sending. The scanner's memory can store thousands of codes, if necessary.

Precision and Performance.

The HR33 Marlin AI Bluetooth 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.

Be confident with Newland.

The HR33 Marlin AI Healthcare 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 Bluetooth 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, 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	±65

Performance

Memory Flash	≥16,384 code entries (above 60 bytes)
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Physical

Battery Type	2,600 mAh lithium-ion
Dimensions	Scanner: 117.5(L)×67.5(W)×144(H)mm; Cradle: 140(L)×90(W)×144.5(H)mm
Expected Battery Life	≥15 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	≤6 hours
Housing	Antimicrobial coating
Input Voltage	5 VDC ±5%
Interfaces	USB-A, HID-POS, USB-CDC, USB-KBW
Notifications	Beep, LED, Vibration
Weight	Scanner: 210 g; Cradle: 340,5 g

Wireless

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

Environmental

Charge Temperature	0°C to 45°C (32°F to 113°F)
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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Certifications

Certifications Hardware	FCC ID, RoHS 2.0, CE RED, IEC 60825, IEC 62471
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Warranty

Warranty Standard	5 Years
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Accessories

Accessories Optional	Wall mount clip
Accessories Standard	USB cable, Stand/Docking station

What's in the box?

NLS-HR3300-V2-BT-W	HR33 Marlin AI Bluetooth Healthcare, Stand/docking station
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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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