Newland
SCANNING MADE SIMPLE

1D & 2D

CPU

Bluetooth 5.0

2200 mAh

CMOS

IP42

1.5m drop
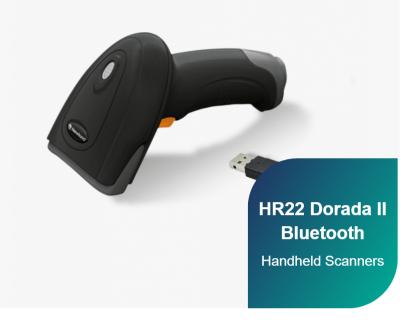
EasySet

Warranty 3 Years

HR22 Dorada II Bluetooth

Handheld Scanners

Features

Outstanding Performance.

At the heart of the HR22 Dorada II wireless handheld scanner is another example of Newland's excellent scanning with CPU decoding. Effortlessly capture high density, high volume and distorted barcodes printed on paper or displayed on screen.

Reliable Bluetooth options.

Adopting the latest Bluetooth 5.0 technology, the HR22 Dorada II is able to maintain a wireless connection at distances up to 50 meters from the host device. The HR2280-BT Dorada also comes with a Bluetooth 5.0 direct connection dongle. The dongle and scanner connect automatically for a 1-2-1 secure wireless connection.

Data capture.

The Dorada II can also work in batch mode to collect scanned data, to then transfer via Bluetooth, wireless dongle or via USB cable. the cable can connect the scanner to Easyset configuration software.

Exceptional Battery Life.

With a 2200mAh battery, the HR22 Dorada II will run a comfortable 12 hours of continuous use. The provided USB cable allows for convenient charging.

Durable construction.

The HR22 Dorada II has a more than suitable IP42 rating for its key applications and is drop resistant up to 1.5m. Its durable housing guarantees optimal protection, so falls from desktops and countertops are no issue.

Suggested industries

Healthcare

Hospitality

Postal

Retail

Performance

Image Sensor	640x480 CMOS
Memory Flash	1MB
Illumination	White LED
Aiming	Red LED (625nm)
Depth of Field EAN 13 (13mil)	45-260mm
Depth of Field Code 39 (5mil)	45-115mm
Depth of Field PDF417 (6.67mil)	50-120mm
Depth of Field Data Matrix (10mil)	35-125mm
Depth of Field QR (15mil)	30-170mm
Minimal Print Contrast	20%
Scan Angle Roll	360°
Scan Angle Pitch	±60°
Scan Angle Skew	±60°
Field of View Horizontal	42°
Field of View Vertical	34°

Data Capture

1D	All major 1D symbologies, including Code 11, Code 128, Code 39, GS1-128 (UCC/EAN 128), AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-8, EAN-13, ISBN/ISSN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 25, ITF6, ITF-14, Standard 25, China Post 25, MSI Plessey, Plessey, GS1 Databar (RSS).
2D	All major 2D symbologies, including PDF417, Micro PDF417, Micro QR, QR Code, Data Matrix, Aztec.

Physical

Dimensions (mm)	145×101×68
Weight	167g
Interfaces	USB
Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)
Expected Charge Time	≤5.5 hours (with power adapter)
Notifications	Beep, LED indicator, vibration.
Input Voltage	5VDC±5%

Environmental

Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
Humidity	5% to 95% (non-condensing)
Electro Static Discharge (ESD)	±15 kV (air discharge), ±8 kV (direct discharge)
Drop	1.5m
IP Rating	IP42

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Wireless

Radio Technology	Bluetooth 5.0
Wireless Distance (max.)	Bluetooth:≥50m
Communication Modes	Synchronous mode, automatic batch mode and manual batch mode

OS Compatibility

Supported Operating Systems	Windows XP/7/8/10/11, Linux, Android, MAC OS & iOS (HID-KBW & BLE)

Software

Configuration Tools	EasySet

Certifications

Hardware	FCC Part15 Class B, CE EMC Class B, RoHS, IEC62471, BIS

Warranty

Standard	3 years

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