



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



Retail



Hospitality



Healthcare



Postal

HR22 Dorada II Bluetooth Technical specifications

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. |
| Image Sensor | 640x480 CMOS |
| Aiming | Red LED (625nm) |
| Illumination | White LED |
| 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 DataMatrix (10mil) | 35-125mm |
| Depth of Field QR (15mil) | 30-170mm |
| Field of View Horizontal | 42° |
| Field of View Vertical | 34° |
| Scan Angle Roll | 360° |
| Scan Angle Pitch | ±60° |
| Scan Angle Skew | ±60° |
| Minimal Print Contrast | 20% |

Performance

| | |
|--------------|-----|
| Memory Flash | 1MB |
|--------------|-----|

Physical

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

Wireless

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

Environmental

| | |
|-----------------------|--------------------------------|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F) |
| Storage Temperature | -40°C to 70°C (-40°F to 158°F) |
| Humidity | 5% to 95% (non-condensing) |

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

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Specifications are subject to change without notice

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HR22 Dorada II Bluetooth Technical specifications

| | |
|--------------------------------|--|
| Electro Static Discharge (ESD) | ±15 kV (air discharge), ±8 kV (direct discharge) |
|--------------------------------|--|

| | |
|------|------|
| Drop | 1.5m |
|------|------|

| | |
|-----------|------|
| IP Rating | IP42 |
|-----------|------|

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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