



1D & 2D



Duo  
Near &  
Far



CMOS



USB



RS232



Laser  
aimer



IP54



1.8M  
drop



EasySet



Warranty  
5 Years



**HR52 Bonito  
Duo**  
Handheld Scanners

## Features

### Duo Near & Far Scanning

By incorporating Newland's self-developed barcode decoding technology and advanced optical technology, the HR52 Bonito Duo combines excellent near-distance scanning with superior far-range scanning, bridging the gap between affordable retail and advanced warehouse and logistics solutions.

### Ultra-Rugged Design

The HR52 Bonito Duo, built into an IP54-sealed and 1.8m drop-resistant housing, can stand up to tough environments. With a trigger lifespan of 10 million times, this handheld scanner provides a guarantee of exceptional reliability and durability in any application.

### Precise Laser Aiming

The HR52 Bonito Duo is equipped with an optimized clear laser aiming spot that remains highly visible in both close proximity and at a distance, regardless of the indoor or outdoor environment. This advanced feature guarantees convenient and precise targeting of barcodes.

### Powerful Data Editing Capability

The HR52 Bonito Duo offers effortless customization of scanned data via the user manual, catering to diverse application requirements. Additionally, it provides supporting software (EasySet) to address various data editing needs, ensuring seamless integration into different workflows.

## Suggested industries



Retail



Warehousing



Logistics



Manufacturing



Healthcare



# HR52 Bonito Duo Technical specifications

## Data Capture

|                                 |                                                                                                                                                                                                                                        |
|---------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1D                              | All major 1D symbologies, including EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 25, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey. |
| 2D                              | All major 2D symbologies, including PDF417, QR Code, Data Matrix, Aztec, Maxicode.                                                                                                                                                     |
| Image Sensor                    | 1280x800 CMOS                                                                                                                                                                                                                          |
| Aiming                          | 650nm laser diode                                                                                                                                                                                                                      |
| Illumination                    | White LED                                                                                                                                                                                                                              |
| Depth of Field EAN 13 (13mil)   | 20cm-180cm                                                                                                                                                                                                                             |
| Depth of Field Code 39 (10mil)  | 20cm-140cm                                                                                                                                                                                                                             |
| Depth of Field Code 39 (100mil) | 50cm-600cm                                                                                                                                                                                                                             |
| Depth of Field Code128 (100mil) | 44cm-980cm                                                                                                                                                                                                                             |
| Depth of Field QR (55mil)       | 25cm-300cm                                                                                                                                                                                                                             |
| Field of View                   | Near Camera: Horizontal 42°; Vertical 28°; Far Camera: Horizontal 16°; Vertical 13°                                                                                                                                                    |
| Scan Angle                      | Roll: 360°, Pitch: ±55°, Skew: ±50°                                                                                                                                                                                                    |
| Minimal Print Contrast          | 20%                                                                                                                                                                                                                                    |

## Physical

|                          |                                                                                                   |
|--------------------------|---------------------------------------------------------------------------------------------------|
| Current @ 5VDC Operating | Typical (Near Camera: 414mA, Far Camera: 728mA); Maximum (Near Camera: 631mA, Far Camera: 1065mA) |
| Current @ 5VDC Standby   | 71mA                                                                                              |
| Dimensions (mm)          | 172.5×77.5×95.5mm                                                                                 |
| Input Voltage            | 5V DC±5% @1A                                                                                      |
| Interfaces               | RS232/USB                                                                                         |
| Notifications            | Beep, LED indicator, vibration                                                                    |
| Power Consumption        | Near Camera: 2071mW, Far Camera: 3642mW                                                           |
| Weight                   | 271g                                                                                              |

## Environmental

|                                |                                                 |
|--------------------------------|-------------------------------------------------|
| Operating Temperature          | -20°C to 50°C (-4°F to 122°F)                   |
| Storage Temperature            | -30°C to 70°C (-40°F to 158°F)                  |
| Humidity                       | 5% to 95% (non-condensing)                      |
| Electro Static Discharge (ESD) | ±8 kV (air discharge), ±12kV (direct discharge) |
| Drop                           | 1.8m drop to concrete                           |
| IP Rating                      | IP54                                            |

## Software

|                     |         |
|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

## Warranty

|          |         |
|----------|---------|
| Standard | 5 years |
|----------|---------|

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Specifications are subject to change without notice

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