Newland AIDC
SCANNING MADE SIMPLE



HR52 Bonito DUO

General Purpose Handheld Scanners

1.8m drop | 1D & 2D | CMOS | DUO Near & Far | EasySet | GS1 Ready

IP54 | Laser Aimer | RS-232 | USB | Warranty 5 Years



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.

5 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

HR52 Bonito DUO

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.
Aiming	Laser diode (650nm)
Depth of Field Code 128 (100mil)	440mm - 9800mm
Depth of Field Code 39 (100mil)	500 mm - 6000 mm
Depth of Field Code 39 (10mil)	200 mm - 1400 mm
Depth of Field EAN 13 (13mil)	200 mm - 1800 mm
Depth of Field QR (55mil)	250 mm - 3000 mm
Field of View Horizontal	Near Camera: 42˚, Far Camera: 16˚
Field of View Vertical	Near Camera: 28˚, Far Camera: 13˚
GS1 Ready	Yes
Illumination	White LED
Image Sensor	1280 x 800 CMOS
Minimal Print Contrast	20%
Scan Angle Pitch	±55°
Scan Angle Roll	360°
Scan Angle Skew	±50°

Physical

Current @ 5VDC Operating	Typical Near Camera: 414 mA, Far Camera: 728 mA; Maximum Near Camera: 631 mA, Far Camera: 1065 mA
Current @ 5VDC Standby	71 mA
Dimensions	95.5(W) x 77.5(D) x 172.5(H) mm
Input Voltage	5 VDC ±5%, 1 A
Interfaces	RS-232, USB
Notifications	Beep, LED, Vibration
Power Consumption	Near Camera: 2071 mW, Far Camera: 3642 mW
Weight	271 g

Environmental

Drop	1.8 m
Electro Static Discharge (ESD)	±8 kV (air discharge), ±12 kV (direct discharge)
Humidity	5% to 95% (non-condensing)
IP Rating	IP54
Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)

Software

Configuration Tools	EasySet

Warranty	
Comprehensive Service Contract	3 Years, 5 Years
Warranty Standard	5 Years

What's in the box?	
NLS-HR52-DUO-S5	HR52 Bonito DUO, 2 meter USB cable
NLS-HR52-DUO-S8	HR52 Bonito DUO, 2 meter RS-232 cable, Multiplug adapter

Accessories

Charging/Power	ADP100 Power Supply for HR, FR, and FM Series (ADP100)
Cables	CBL017U RJ to USB-C Cable for HR, FR and FM Series (CBL017U) CBL030UA USB Cable for HR, FM, and FR (CBL030UA) CBL036UA USB Cable for HR, FM, and FR Series (CBL036UA) CBL037R RS232 Cable for HR, FR, and FM Series (CBL037R) CBL042UA USB Cable for HR, FM, and FR Series (CBL042UA) CBL048U USB Cable for Ingenico iCT220 (CBL048U) CBL105U USB White Cable for HR Series (CBL105U) CBL128R Cable for Magellan Connection (CBL128R)
Peripherals	EX232 Remora (NLS-EX232-01)
Base Stations	NLS-STD-WM001 Wall Mount Clip for HR Series (NLS-STD-WM001) NLS-STD20i-52 Smart Foldable Stand for HR52 (NLS-STD20i-52)

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