



**Newland AIDC**  
Scanning Made Simple



# NLS-HR2000 - BT

WIRELESS 2D BARCODE SCANNER

## FEATURES

### Outstanding Performance

Equipped with an outstanding CPU, this wireless handheld scanner can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

### Replaceable Battery

With 2600mAh battery, it will run a comfortable 16 hours of continuous use. Replaceable battery ensures continuous functionality and minimizes downtime.

### Reliable Wireless Communication

Adopting the latest Bluetooth 5.0 technology, the NLS-HR2000-BT is able to maintain a reliable wireless connection to transmit data. The communication distances up to 100m.

### Durable Construction

The NLS-HR2000-BT, built into an IP52-sealed and drop resistant (1.5m) housing with no moving parts, fortifies itself inside and out.



CMOS



1D Barcode



2D Barcode



IP Sealing



Drop



USB



2600mAh

# NLS-HR2000 - BT

## Performance

Image Sensor	640x480 CMOS
Illumination	White LED
Aiming	Red LED
Resolution*	3mil
Typical Depth of Field*	<p>Coupon, GS1 Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, ITF-6, ITF-14, Standard 2 of 5, China Post 25, MSI-Plessey, Plessey, GS1Databar(RSS).</p> <p>2D: PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR, Hanxin Code</p>
Scan Angle**	Pitch: $\pm 60^\circ$ , Roll: $360^\circ$ , Skew: $\pm 60^\circ$
Field of View	Horizontal $45^\circ$ , Vertical $34^\circ$
Min Symbol Contrast*	20%

## Wireless

Communication Mode	Synchronous mode, asynchronous mode and batch mode
Radio Technology	Bluetooth 5.0
Communication Distance	100m (direct line of sight in open air)
Memory Capacity	16384 pieces
Battery	2600 mAh lithium-ion battery
Expected Charge Time	6 hours
Expected Battery Life	16hours of continuous operation (scan once per 6 seconds)

## Physical

Interface	USB Type-A (Support USB-KBW, USB-CDC, HID-POS)
Operating Voltage	5VDC $\pm 5\%$
Dimensions (LxWxH)	Scanner: 117.5x67.5x44mm ; Cradle: 140x90x144.5mm
Weight	Scanner: 209g ; Cradle:340.5g
Notification	Beep, LED, vibration

## Environmental

Operating Temperature	-10°C to 50°C ( 14°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Battery Charge Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5%~95% (non-condensing)
ESD	$\pm 15$ KV (air discharge); $\pm 8$ KV (direct discharge)
Drop	Scanner: 1.5m; Cradle: 1.2m
Sealing	IP52

## Certificates

Certificates & Protection	CE Red, FCC ID, RoHS 2.0, IEC62471
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\*Test conditions: T=23 ; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.

\*\*Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

2D: QR code (15mil); 10 Bytes.

Specifications are subject to change without notice.

Version: V1.1

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