



WIRELESS 2D BARCODE SCANNER

NLS-HR2000-BT

Scanning made simple.

The HR2000-BT holds a reliable Bluetooth 5.0 connection at distances up to 100 m while an outstanding CPU captures high-density, high-volume and damaged barcodes. A 2600 mAh replaceable battery runs a comfortable 16 hours of continuous use inside an IP52-sealed, 1.5 m drop-resistant housing.



NEWLAND AIDC, AVAILABLE THROUGH VERITRONICS

FEATURES

Reliable Wireless

The latest Bluetooth 5.0 technology maintains a reliable connection with communication distances up to 100 m.

Replaceable Battery

A 2600 mAh battery runs about 16 hours of continuous use; swapping it keeps the scanner working and minimizes downtime.

Outstanding Performance

An outstanding CPU effortlessly captures high-density, high-volume and distorted barcodes on paper or screen.

KEY SPECIFICATIONS

Image Sensor	640×480 CMOS	Interface	USB Type-A
Aiming	Red LED	Dimensions (L×W×H)	117.5×67.5×144mm (4.63×2.66×5.67in, scanner)
Radio Technology	Bluetooth 5.0	Weight	209g (7.37oz, scanner)
Communication Distance	100m / 328ft (line of sight)	Drop	1.5m (4.92ft)
Battery	2600 mAh · 16 hrs continuous	Sealing	IP52

Technical Specifications

NLS-HR2000-BT

PERFORMANCE

Image Sensor	640×480 CMOS
Illumination	White LED
Aiming	Red LED
Symbologies	1D: 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-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, GS1 Databar (RSS) 2D: PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR, Hanxin Code
Resolution*	≥3 mil (0.076mm / 0.003in)
Typical Depth of Field*	EAN-13 (13mil): 50–260mm (1.97–10.24in) · Code 39 (5mil): 50–120mm (1.97–4.72in) · PDF417 (6.7mil): 40–120mm (1.57–4.72in) · Data Matrix (10mil): 30–125mm (1.18–4.92in)
Scan Angle**	Pitch: ±60°, Roll: 360°, Skew: ±60°
Field of View	Horizontal 45°, Vertical 34°
Min Symbol Contrast*	20%

WIRELESS

Communication Mode	Synchronous, asynchronous and batch mode
Radio Technology	Bluetooth 5.0
Communication Distance	100m / 328ft (direct line of sight in open air)
Memory Capacity	16,384 pieces

PHYSICAL

Battery	2600 mAh lithium-ion battery
Expected Charge Time	6 hours
Expected Battery Life	16 hours continuous (scan once per 6 s)
Interface	USB Type-A (USB-KBW, USB-CDC, HID-POS)
Operating Voltage	5VDC±5%
Dimensions (L×W×H)	Scanner: 117.5×67.5×144mm (4.63×2.66×5.67in) · Cradle: 140×90×144.5mm (5.51×3.54×5.69in)
Weight	Scanner: 209g (7.37oz) · Cradle: 340.5g (12.01oz)
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	±15kV (air discharge); ±8kV (direct discharge)
Drop	Scanner: 1.5m (4.92ft) · Cradle: 1.2m (3.94ft)
Sealing	IP52

CERTIFICATES

Certificates & Protection	CE RED, FCC ID, RoHS 2.0, IEC62471
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*Test conditions: T=23°C; 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