Newland AIDC
Scanning Made Simple

NLS-HR3000-BT

WIRELESS 2D BARCODE SCANNER

FEATURES

○ **Outstanding Performance**

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

○ **Durable Construction**

The scanner is built into an IP52-sealed and drop resistant (1.5m) housing without moving parts and fortifies itself.

○ **Replaceable Battery**

Replaceable battery ensures continuous functionality and minimizes downtime.

○ **Reliable and Stable Wireless Communication**

Adopting Bluetooth 5.0 which is strong anti-interference and stable to transmit the data.

| CMOS | 1D Barcode | 2D Barcode | IP Sealing | Drop | USB | Bluetooth | 2600mAh |

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Performance

Image Sensor	1280×800 (megapixel) CMOS
Illumination	White LED
Aiming	Laser diode
Symbologies	2D: PDF417, QR Code, Micro QR, Data Matrix, Aztec, Maxi Code, Chinese Sensible Code, GM Code, Micro PDF417, Code One.
	1D: Code 11, Code 128, Code39, GS1-128(UCC/ENA-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), Code 49, Code 16K.
	Postal：USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal
	OCR: Passport OCR, Chinese ID Card, China Travel Permit OCR
Resolution*	≥3mil
Typical Depth of Field*	EAN-13: 40mm-535mm (13mil)
	Code 39: 50mm-230mm (5mil)
	PDF 417: 45mm-215mm (6.7mil)
	Data Matrix: 30mm-245mm (10mil)
Scan Angle**	Pitch: ±60°, Roll: 360°, Skew: ±65°
Field of View	Horizontal 48°, Vertical 30°
Min Symbol Contrast*	15%

Wireless

Communication Mode	Synchronous, asynchronous 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 (with power adapter)
Expected Battery Life	15 hours of continuous operation (scan once per 6 seconds)

Physical

Interface	USB Type-A (Support USB-KBW, USB-CDC, HID-POS)
Operating Voltage	5VDC±5%
Dimensions (L×W×H)	Scanner: 117.5×67.5×144mm Cradle: 140×90×144.5mm
Weight	Scanner: 210g Cradle: 340.5g
Notification	Beep, LED indicator, 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	±15 KV (air discharge); ±8 KV (direct discharge)
Drop	Scanner: 1.5m Cradle: 1.2m
Sealing	Scanner: IP52

Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B. RoHS

*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

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