

# NLS-HR2081-BT

## Wireless 2D Barcode Scanner



### Features

#### ■ Outstanding Performance

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

#### ■ Exceptional Battery Life

With 2200mAh battery, it will run a comfortable 12 hours of continuous use. The provided USB cable allows convenient charging.

#### ■ Reliable Wireless Communication

Adopting the latest Bluetooth 5.0 technology, the NLS-HR2081-BT is able to maintain a reliable wireless connection to transmit data. The communication distances of up to 50m.

#### ■ Durable Construction

The NLS-HR2081-BT, built into an IP42-sealed and drop resistant (1.2m) housing with no moving parts, fortifies itself inside and out.

### Application Scenarios

O2O applications, purchase-sales-inventory management, ticket/voucher management, office automation.

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<b>Performance</b>	Image Sensor	640x480 CMOS		
	Illumination	White LED		
	Aiming	Red LED (625nm)		
	Symbologies	2D	PDF417, Micro PDF 417, QR Code, Data Matrix, Micro QR Code Aztec, Data Matrix	
		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-8, EAN-13, ISBN/ISSN, Interleaved 2 of 5, Febraban, Matrix 2 of 5, Industrial 25, ITF-6, ITF-14, Standard 25, China Post 25, MSI-Plessey, Plessey, GS1 Databar(RSS)	
		OCR	Passport OCR	
	Resolution*	≥3mil		
	Typical Depth of Field*	EAN-13	45mm-260mm (13mil)	
		QR Code	30mm-170mm (15mil)	
		Code 39	45mm-115mm (5mil)	
		PDF 417	50mm-120mm (6.67mil)	
		Data Matrix	35mm-125mm (10mil)	
	Scan Angle**	Pitch	±60°	
		Roll	360°	
Skew		±60°		
Field of View	Horizontal 42°, Vertical 28°			
Min. Symbol Contrast	20%			
<b>Wireless</b>	Communication Mode	Synchronous mode, automatic batch mode and manual batch mode		
	Radio Technology	Bluetooth 5.0/2.4G		
	Communication Distance (direct line of sight in open air)	With Bluetooth	≥50m	
		With 2.4G	≥30m	
	Memory Capacity	≥15000 pieces Code 128 (20 byte of each Code 128)		
	Battery	2200 mAh lithium-ion battery		
	Expected Charge Time	≤5.5 hours (with power adapter)		
	Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)		
<b>Physical</b>	Interfaces	USB		
	Dimensions (LxWxH)	145x101x68mm		
	Weight	167g		
	Notification	Beep, LED indicator, vibration		
	Charge Voltage	5VDC±5%		

### Newland Headquarter

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# NLS-HR2081-BT

SCANNING MADE SIMPLE

## Wireless 2D Barcode Scanner

<b>Environmental</b>	Operating Temperature	-20°C to 60°C (-4°F to 140°F)
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)
	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	1.2m
	Sealing	IP42

\*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

\*\*Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;  
2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

\*Specifications are subject to change without notice.\*

Version: V1.0

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