

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 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.

Wireless 2D Barcode Scanner

Performance	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%			
Wireless	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)		
Physical	Interfaces	USB		
	Dimensions (LxWxH)	145x101x68mm		
	Weight	167g		
	Notification	Beep, LED indicator, vibration		
	Charge Voltage	5VDC±5%		

Newland Headquarter

Add: NO.1 Rujiang West Rd.,
Mawei, Fuzhou, Fujian 350015, China
Tel: +86 591 8397 9500
Email: info@nlscan.com
Web: www.newlandaidc.com

Newland APAC

Taiwan Tel: +886 2 7731 5388
Taiwan Email: info@newland-id.com.tw
Web: www.newland-id.com.tw
Japan Tel: +886 2 7731 5388 ext. 71
Korea Tel: +82 10 8990 4838
India Tel: +91 120 7964266
Japan/Korea/India Email: info@nlscan.com
Web: www.newlandaidc.com

Newland NALA

North America Tel: +1 510 490 3888
North America Email: info@nlscan.com
Latin America Tel: +1 239 598 0068
Latin America Email: info@newlandla.com
Web: www.newlandamerica.com

Newland EMEA

Tel: +31 (0) 345 87 00 33
Email: sales@newland-id.com
Tech Support: tech-support@newland-id.com
Web: www.newland-id.com



NLS-HR2081-BT

SCANNING MADE SIMPLE

Wireless 2D Barcode Scanner

Environmental	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
Certifications	FCC Part15 Class B, CE EMC Class B, RoHS, IEC62471, BIS	

*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: V1.1

Newland Headquarter

Add: NO.1 Rujiang West Rd.,
Mawei, Fuzhou, Fujian 350015, China
Tel: +86 591 8397 9500
Email: info@nlscan.com
Web: www.newlandaidc.com

Newland APAC

Taiwan Tel: +886 2 7731 5388
Taiwan Email: info@newland-id.com.tw
Web: www.newland-id.com.tw
Japan Tel: +886 2 7731 5388 ext. 71
Korea Tel: +82 10 8990 4838
India Tel: +91 120 7964266
Japan/Korea/India Email: info@nlscan.com
Web: www.newlandaidc.com

Newland NALA

North America Tel: +1 510 490 3888
North America Email: info@nlscan.com
Latin America Tel: +1 239 598 0068
Latin America Email: info@newlandla.com
Web: www.newlandamerica.com

Newland EMEA

Tel: +31 (0) 345 87 00 33
Email: sales@newland-id.com
Tech Support: tech-support@newland-id.com
Web: www.newland-id.com

