



# NLS-HR2081-RF

## HANDHELD 2D BARCODE SCANNER

### FEATURES


○ **Excellent Reading Performance**

Equipped with Newland's latest-generation proprietary decoding chip technology, the device easily handles both traditionally printed barcodes and on-screen barcodes.

○ **Reliable and Stable Wireless Communication**

Adopting the 2.4G wireless transmission technology, the NLS- HR2081-RF features strong anti-interference capabilities and ensures the stable transmission of data.

○ **Outstanding Power Efficiency**

The advanced  technology incorporated in the scan engine helps reduce its power consumption and prolong its service life.

○ **Humanized Illumination Designation**

With flicker-free soft white illumination, the NLS-HR2081-RF helps reduce visual fatigue and improves work efficiency.



CMOS



1D Barcode



2D Barcode



USB



Drop

# NLS-HR2081-RF

## Performance

Image Sensor		640×480 CMOS
Illumination		White LED
Aiming		Red LED
Symbologies	1D	Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, RSS-14, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-Limited, RSS-Expand
	2D	PDF417, QR Code, Data Matrix
Resolution*		≥5mil
Typical Depth of Field*	EAN-13	60mm-215mm (13mil)
	QR Code	40mm-105mm (15mil)
Scan Angle**		Pitch: ±45°, Skew: ±50°, Roll: 360°
Field of View		Horizontal 45°, Vertical 34°
Min Symbol Contrast*		≥30%

## Wireless

Communication Modes	Synchronous and batch modes
Radio Technology	2.4G
Communication Distance	50m (in open space)
Storage Capacity	2,560 records (Code 128, 20 bytes per record)
Battery	2400mAh
Expected Charge Time	≤5.5 hours
Expected operating Time	30 hours (one scan every 6 seconds)

## Physical

Interface	USB
Operating Voltage	5VDC±10%
Dimensions	145(L) x 101(W) x 68 (H)mm
Weight	166g,
Notification	Beep, LED indicator

## Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5%-95% (non-condensing)
ESD	±12 KV (air discharge); ±6 KV (direct discharge)
Drop	1.2m

## Certificate

Certificates & Protection	CE, FCC, RoHS, BIS, IEC62471
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## Accessory

USB Cable	Used to charge or connect to a host device
Data Receiver	2.4 GHz data receiver

\*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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