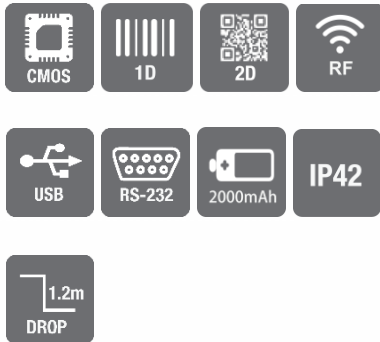




# NLS-HR20-RF

## Wireless 2D Barcode Scanner



### Features

#### ■ Superior Scanning Performance

The NLS-HR20-RF is equipped with Newland's third-generation decoder chip, making the capture of high-density, high-volume and distorted barcodes printed on paper or displayed on screen a breeze.

#### ■ Rugged Durable Construction

Its rugged housing is sealed to IP42 standards for protection against dust and water and withstands drops from as high as 1.2m.

#### ■ Exceptional Battery Life

In addition to a 2000mAh battery, the NLS-HR20-RF also comes with a low power mode that helps keep it alive longer.

#### ■ Stylish Ergonomic Design

Blending ergonomics and aesthetics in its design, the NLS-HR20-RF not only ensures operator comfort and productivity for intensive hand-held scanning but also meets the aesthetic needs of the O2O era.

#### ■ Convenient Reliable Wireless Communication

With 2.4GHz Radio Frequency technology, this scanner provides wireless convenience and the freedom of a smooth connection for up to a 50m range without tangled cables.

#### ■ Plug and Play

Plug and play without any training or installation, simple pairing, and easy to use.

### Application Scenarios

O2O (Online to Offline) payments, O2O gift card/e-voucher consumption check, retail chains, ticket/voucher management, office automation, etc.

### Wireless 2D Barcode Scanner

<b>Performance</b>	Image Sensor	640×480 CMOS
	Illumination	White LED
	Aiming	Red LED
	Symbologies	2D PDF417, QR Code, Data Matrix, Chinese Sensible Code.
	1D	Code 128, UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISSN, ISBN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Industrial 25, Standard 25, Matrix 2 of 5, Codabar, Code 39, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14, RSS-Limited, RSS-Expand.
	Resolution*	≥5mil
	Typical Depth of Field*	EAN-13 45mm-200mm (13mil) QR Code 35mm-110mm (15mil)
	Scan Angle**	Roll: 360°, Pitch: ±50°, Skew: ±50°
	Min. Symbol Contrast	25%
	Field of View	Horizontal 45°; Vertical 34°
<b>Mechanical/ Electrical</b>	Interfaces	USB
	Dimensions (L×W×H)	100.1×71.2×155.3mm
	Weight	191.6g
	Operating Voltage	5VDC±10%
	Notification	Beep, LED indicator
<b>Environmental</b>	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	±8KV (air discharge); ±4KV (direct discharge)
	Drop	1.2m
	Sealing	IP42
<b>Wireless</b>	Communication Modes	Real-time and Inventory modes
	Radio Technology	2.4 to 2.4835 GHz ISM Band, Radio Frequency technology
	Communication Distance	≥50m (in open space)
	Flash Memory	512KB
	Battery	2000mAh lithium-ion battery
	Expected Battery Life	≥12 hours of continuous operation
	Expected Charge Time	4.5-5.5 hours
	Number of Scans	15,000 scans per charge (30 scans per minute, wireless transmission)
<b>Accessories</b>	USB cable	
<b>Certifications</b>	FCC Part15 Class B, CE EMC Class B, RoHS	

\*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: V1.2

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