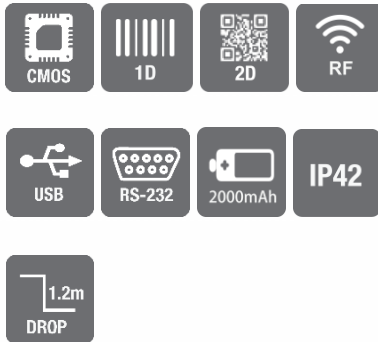


# NLS-HR20-RF

## 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.

# NLS-HR20-RF

SCANNING MADE SIMPLE

## Wireless 2D Barcode Scanner

Performance	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°	
Mechanical/ Electrical	Interfaces	USB	
	Dimensions (L×W×H)	100.1×71.2×155.3mm	
	Weight	191.6g	
	Operating Voltage	5VDC±10%	
	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	±8KV (air discharge); ±4KV (direct discharge)	
	Drop	1.2m	
	Sealing	IP42	
Wireless	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)	
Accessories	USB cable		
Certifications			

\*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

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