

NLS-HR20

Hand-held Barcode Scanner



Features

■ Superior Scanning Performance

The NLS-HR20 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 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 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

SCANNING MADE SIMPLE

Hand-held Barcode Scanner

Performance	Image Sensor	640×480 CMOS
	Illumination	White 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)	100.1×71.2×15.3mm
	Weight	191.6g
	Operating Voltage	5VDC±10%
	Notification	Beep, LED indicator
Environmental	Operating Temperature	-20°C to 45°C
	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, auto and batch modes
	Radio Technology	2.407 to 2.474 GHz ISM Band
	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		

Version: Preliminary

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FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

RF Exposure Information

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.

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