

NLS-HR20

2D Hand-held Barcode Scanner



Features

■ Enhanced Performance

Equipped with Newland's latest decoder chip, the NLS-HR20 can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

■ Elegant Appearance

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.


■ Future-proof Investment

The NLS-HR20 delivers 2D capability at an incredibly affordable price meeting both current and future barcode scanning needs.

■ Durable Construction

The NLS-HR20, built into an IP42-sealed and drop resistant (1.2m) housing with no moving parts, fortifies itself inside and out.

■ Green Design

The advanced  technology incorporated in the scanner helps reduce the power consumption and prolong the service life of the device.

Application Scenarios

O2O (Online to Offline) payments, O2O gift card/e-voucher consumption check, purchase-sales-inventory management, ticket/voucher management, office automation.

NLS-HR20

SCANNING MADE SIMPLE

2D Hand-held Barcode Scanner

Performance	Image Sensor		640×480 CMOS
	Illumination		White LED
	Aiming		625nm red LED
	Symbologies	2D	PDF417, QR Code, Micro QR, Data Matrix, Aztec, Maxicode, Chinese Sensible Code, GM Code, MicroPDF417, Code One
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, UCC/EAN128, I2Of5, ITF14, ITF6, Matrix 25, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25, Standard 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K
	Resolution*		≥4mil
	Typical Depth of Field*	EAN-13	60mm-215mm (13mil)
		QR Code	40mm-105mm (15mil)
	Scan Angle**	Pitch	±45°
		Roll	360°
		Skew	±40°
		Field of View	
	Min. Symbol Contrast*		25%
Mechanical/ Electrical	Interfaces		RS-232, USB (HID Keyboard, CDC, HID-POS, IBM SurePOS)
	Dimensions (L×W×H)		145×101×68mm
	Weight		115g
	Notification		Beep, LED indicator
	Rated Power Consumption		794.2mW (typical)
	Operating Voltage		5VDC±10%
	Current@5VDC	Operating	165.8mA (typical), 170.2mA (max.)
		Standby	58.6mA
Environmental	Operating Temperature		-20℃ to 60℃ (-4°F to 140°F)
	Storage Temperature		-40℃ to 70℃ (-40°F to 158°F)
	Humidity		5%~95% (non-condensing)
	ESD		±8 KV (direct discharge); ±15 KV (air discharge)
	Drop		1.2m
	Sealing		IP42
Certifications			FCC Part15 Class B , CE EMC Class B
Accessories	Cable	USB	Used to connect the HR20 to a host device.
		RS-232	Used to connect the HR20 to a host device.
	Power Adapter		DC5V power adapter to power the HR20 with RS-232 cable.

*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.

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Newland China

+86-591-83978605
contact@nlsan.com
www.newlandaidc.com

Newland Europe

+31(0)-345-87-0033
info@newland-id.com
www.newland-id.com

Newland North America

+1-510-490-3888
info@newlandna.com
www.newlandamerica.com

Newland Latin America

+1-239-598-0068
info@newlandla.com
www.newlandamerica.com

Newland Taiwan

+886-2-7731-5388
info@newland-id.com.tw
www.newland-id.com.tw

Newland Korea

+82-10-8990-4838
th.sung@newland-id.com.tw
www.newlandaidc.com

