

# NLS-HR21

## Hand-held Barcode Scanner



### Features

#### ■ Cost-effective Solution

The NLS-HR21 provides a cost-effective data capture solution that allows customers to enjoy the capabilities of 2D barcode scanner for the price of 1D scanner.

#### ■ Elegant Appearance

Blending ergonomics and aesthetics in its design, the NLS-HR21 not only ensures operator comfort and productivity for intensive hand-held scanning but also meets the aesthetic needs of the O2O era.

#### ■ Enhanced Performance

Equipped with Newland' s third-generation decoder chip, the NLS-HR21 can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

#### ■ Durable Construction

The NLS-HR21, built into an IP42-sealed and drop resistant (1.2m) housing with no moving parts, fortifies itself inside and out.

### Application Scenarios

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

# NLS-HR21

SCANNING MADE SIMPLE

## Hand-held Barcode Scanner

<b>Performance</b>	Image Sensor	640×480 CMOS	
	Illumination	White LED	
	Aiming	625nm red LED	
	Symbologies	2D	PDF417, QR Code, Data Matrix, Chinese Sensible Code
		1D	Code128, UCC/EAN-128, AIM 128, EAN-8, EAN-13, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-4, Matrix 2 of 5, Industrial 25, Standard 25, Code39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-14, RSS-Limited, RSS-Expand
	Resolution*	≥4mil	
	Typical Depth of Field*	EAN-13	55mm-220mm (13mil)
		QR Code	35mm-110mm (15mil)
	Scan Angle**	Pitch	±45°
		Roll	360°
		Skew	±40°
		Field of View	Horizontal 45°, Vertical 34°
	Min. Symbol Contrast*	30%	
	<b>Mechanical/ Electrical</b>	Interfaces	USB (Standard), RS-232 (Optional)
Dimensions		101(L)×68(W)×145(H)mm	
Weight		115g	
Notification		Beep, LED indicator	
Rated Power Consumption		0.31W (typical)	
Operating Voltage		5VDC±10%	
Current@5VDC		Operating	62mA (typical), 115.5mA (max.)
		Standby	33mA
<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	±8 KV (contact discharge); ±15 KV (air discharge)	
	Drop	1.2m	
	Sealing	IP42	
<b>Certifications</b>	FCC Part15 Class B , CE EMC Class B		
<b>Accessories</b>	Cable	USB	Used to connect the HR21 to a host device.
		RS-232	Used to connect the HR21 to a host device. (Optional)
	Power Adapter	DC5V power adapter to power for the HR21 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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