

NLS-HR2081

2D Handheld Barcode Scanner



Features

■ Outstanding Performance

Equipped with a outstanding CPU, this CPU-based scanner 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-HR2081 not only ensures operator comfort and productivity for intensive handheld scanning but also meets the aesthetic needs of the O2O era.

■ Cost-effective Solution

The NLS-HR2081 provides a cost-effective data capture solution that allows customers to enjoy the capabilities of 2D barcode scanner for the price of 1D scanner.

■ Durable Construction

The NLS-HR2081, built into an IP42-sealed and drop resistant (1.2m) housing with no moving parts, fortifies itself inside and out.

Application Scenarios

O2O applications, purchase-sales-inventory management, ticket/voucher management, office automation.

2D Handheld Barcode Scanner

Performance	Image Sensor	640×480 CMOS	
	Illumination	White LED	
	Aiming	Red LED (625nm)	
	Symbologies	2D	PDF417, Micro PDF417, Micro QR, QR Code, Data Matrix, Aztec.
		1D	Code 11, Code 128, Code 39, GS1-128 (UCC/EAN 128), AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-8, EAN-13, ISBN/ISSN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 25, ITF6, ITF-14, Standard 25, China Post 25, MSI Plessey, Plessey, GS1 Databar (RSS).
	Resolution*	≥3mil (Code 128)	
	Typical Depth of Field*	EAN-13	50mm-260mm (13mil)
		Code 39	50mm-115mm (5mil)
		PDF 417	50mm-120mm (6.7mil)
		Data Matrix	35mm-125mm (10mil)
		QR Code	30mm-170mm (15mil)
	Scan Angle**	Pitch	±55° (QR 15mil)
		Roll	360° (QR 15mil)
Skew		±55°(QR 15mil)	
Field of View	Horizontal 45°, Vertical 34°		
Min. Symbol Contrast	20%		
Physical	Interfaces	RS-232, USB	
	Dimensions (L×W×H)	145×101×68mm	
	Weight	111g	
	Notification	Beep, LED indicator	
	Operating Voltage	5VDC±5%	
	Rated Power Consumption	950mW (typical)	
	Current @ 5VDC	Operating	190mA (typical), 201mA (max.)
		Idle	35mA
Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
	Humidity	5% ~ 95% (non-condensing)	
	ESD	±15 KV (air discharge); ±8 KV (direct discharge)	
	Drop	1.2m	
	Sealing	IP42	
Certifications	FCC Part15 Class B, CE EMC Class B		

*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@nlscan.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

