



# NLS-HR2081-Lite

## HANDHELD 2D BARCODE SCANNER

### FEATURES

- Outstanding Performance**

Integrated with Newland's latest-generation proprietary decoding chip technology, the device easily handles both traditionally printed barcodes and on-screen barcodes.

- Ergonomical Design**

Ergonomically designed to ensure comfort during intensive operations, the device also features a compact, lightweight, and stylish appearance.

- Cost-effective Choice**

NLS-HR2081-Lite 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**

Adopting independent core technology can greatly reduce operating power consumption and extend the lifetime.



CMOS



1D Barcode



2D Barcode



USB



Drop



IP sealing



Retail

# NLS-HR2081-Lite

## Performance

Image Sensor		640×480 CMOS
Illumination		White LED
Aiming		Red LED (625nm)
Symbologies	1D	Code128, UCC/EAN-128, AIM128, EAN-8, EAN-13, RSS-14, ISBN/ISSN, UPC-E, UPC-A, Interleaved 2 of 5, ITF-6, ITF-14, Matrix 2 of 5, Industrial 25, Standard 25, Code 39, Codabar, Code 93, Code 11, Plessey, MSI-Plessey, RSS-Limited, RSS-Expand
	2D	PDF417, QR Code, Data Matrix, Aztec
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	55mm-230mm (13mil)
	QR Code	45mm-140mm (15mil)
Scan Angle**		Pitch: ±50°, Skew: ±50°, Roll: 360°
Field of View		Horizontal 45°, Vertical 34°
Min Symbol Contrast*		≥30%

## Physical

Interface		USB
Operating Voltage		5VDC±10%
Rated Power Consumption		680mW
Current@5VDC	Operating	136mA (typical), 146mA (max.)
	Idle	12.04mA
Dimensions		101 (L) x 68 (W) x 145 (H)mm
Weight		164.3g
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	±15 KV (air discharge); ±8 KV (direct discharge)
Drop	1.2m
Sealing	IP42

## Certificate

Certificates & Protection	RoHS 2.0, IEC62471, BIS
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\*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: V1.0

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