



**Newland AIDC**  
Scanning Made Simple



# NLS-HR2000

## HANDHELD 2D BARCODE SCANNER

### FEATURES

#### ○ Outstanding Performance

Equipped with an 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-HR2000 not only ensures operator comfort and productivity for intensive handheld scanning but also meets the aesthetic needs of the O2O era.

#### ○ Cost-effective Solution

HR2000 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

HR2000, built into an IP52-sealed and drop resistant (1.5m) housing with no moving parts, fortifies itself inside and out.



CMOS



1D Barcode



2D Barcode



RS232



USB



Drop



IP Sealing



Retail

# NLS-HR2000

## Performance

Image Sensor	640×480 CMOS
Illumination	White LED
Aiming	Red LED
Symbologies	Code 11, Code 128, Code39, GS1-128(UCC/ENA-128), AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5, ITF-6, ITF-14, Standard 2 of 5, China Post 25, MSI-Plessey, Plessey, GS1Databar(RSS).
1D	PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR.
2D	≥3mil
Resolution*	40mm-260mm (13mil)
Typical Depth of Field*	30mm-150mm (5mil)
EAN-13	30mm-120mm (6.7mil)
Code 39	20mm-125mm (10mil)
PDF 417	Pitch: ±60°, Skew: ±60°, Roll: 360°
Data Matrix	Horizontal 45°, Vertical 34°
Scan Angle**	20% (code128 10mil)
Field of View	
Min Symbol Contrast*	

## Physical

Interface	RS-232 (Optional), USB
Operating Voltage	5VDC±5%
Rated Power Consumption	1223mW (typical)
Current@5VDC	245.7mA (typical), 248.9mA (max.)
Dimensions (L×W×H)	157.12mA
Weight	111g
Notification	Beep, LED, Vibration

## 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	1.5m
Sealing	IP52

## Certificates

Certificates & Protection	CE, FCC, RoHS 2.0, IEC62471
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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: V1.1

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