



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	1D	Code 11, Code 128, Code 39, 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, GS1 Databar(RSS).
	2D	PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR.
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	40mm-260mm (13mil)
	Code 39	30mm-150mm (5mil)
	PDF 417	30mm-120mm (6.7mil)
	Data Matrix	20mm-125mm (10mil)
Scan Angle**		Pitch: ±60°, Skew: ±60°, Roll: 360°
Field of View		Horizontal 45°, Vertical 34°
Min Symbol Contrast*		20% (code128 10mil)

Physical

Interface		RS-232 (Optional), USB
Operating Voltage		5VDC±5%
Rated Power Consumption		1223mW (typical)
Current@5VDC	Operating	245.7mA (typical), 248.9mA (max.)
	Idle	157.12mA
Dimensions (L×W×H)		117.5×144×67.5mm
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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