



NLS-HR2000-HC

HANDHELD 2D BARCODE SCANNER

FEATURES

- **High-performance Versatile Decoding Capability**
Powered by AI-driven platform and Newland's latest self-developed of **UIMG®** decoding technology, the HR2000 delivers powerful and highly accurate barcode reading performance, capable of handling even challenging scanning scenarios with ease.
- **Healthcare-Ready Design**
The NLS-HR2000 HC features an antimicrobial housing resistant to frequent disinfection, supporting hygiene and infection control in hospitals, laboratories, pharmacies and other healthcare environment
- **Ergonomic and Modern Design**
Designed for comfortable everyday use, the HR2000 combines an ergonomic grip with a clean, modern look that fits seamlessly into both healthcare and retail environments.
- **Ready for GS1-Powered 2D Barcodes**
Fully supports GS1 Digital Link and all major GS1 2D output modes, the HR2000 enables a smooth migration from traditional 1D barcodes to next generation 2D applications
- **Reliable and Durable**
With an IP52 rating and a 1.5m drop resistance, the HR2000 is built to withstand everyday use in retail, warehouse, healthcare, and other demanding environments
- **Cost-Effective Solution**
Combining excellent decoding performance, durability, and reliability, the HR2000 offers outstanding value for customers seeking the optimal balance between performance and investment.



CMOS



1D Barcode



2D Barcode



USB



RS232



Drop



IP Sealing

NLS-HR2000-HC

Performance

Image Sensor		600*800 CMOS
Illumination		White LED
Aiming		Red LED
Symbologies	1D	Code 11, Code 128, Code 39, GSI-128(UCC/ENA-128), AIM 128, ISBT 128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GSI 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, GSIDatabar(RSS), Code 49, Code 16K, Deutsche 14, Deutsche 12
	2D	PDF417, QR Code, Aztec, Data Matrix, Micro PDF417, Micro QR, MaxiCode, Dot code
	GSI	Digital Link
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	40mm-370mm (13mil)
	Code 39	30mm-160mm (5mil)
	PDF 417	40mm-140mm (6.7mil)
	Data Matrix	20mm-170mm (10mil)
	QR Code	20mm-230mm (15mil)
Scan Angle**		Pitch: ±60°, Skew: ±60°, Roll: 360°
Field of View		Horizontal 45°, Vertical 34°
Min Symbol Contrast*		≥20%

Physical

Interface		USB, RS-232
Operating Voltage		5VDC±5%
Rated Power Consumption		950mW (typical)
Current@5VDC	Operating	190mA (typical), 300mA (max.)
	Idle	120mA
Dimensions (L×W×H)		117.5 (L)×67.5(W)×144mm(H)
Weight		137g
Notification		Beep, LED, Vibration

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 (contact discharge)
Ambient Light	0-100,000LUX
Drop	1.5m
Sealing	IP52

Certificates

Certificates & Protection	CE, FCC, KC, BIS, 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: V2.0

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