



# NLS-HR3000

## HANDHELD 2D BARCODE SCANNER

### FEATURES

- **High-performance versatile decoding capability**  
Armed with Newland's self-developed of **UIMG®** decoding technology, the HR3000 delivers exceptional barcode reading performance across a wide range of scenarios—whether the barcode printed on paper or displayed on screens. In addition, it features advanced passport OCR capability, enabling accurate and efficient recognition.
- **Powerful Data Editing Capability**  
The scanner allows customizing scanned data with ease and provides supporting software to address diverse application needs.
- **Support for Digimarc®**  
The NLS-HR3000 supports Digimarc digital watermark technology, enabling faster, more seamless checkouts and enhanced scanning efficiency.
- **Superior Scanning Range**  
The HR3000 offers excellent depth of field, delivering a flexible scanning experience across a wide range of applications, including logistics, warehousing, and retail.
- **Durable Construction**  
With an IP52-rated seal and 1.5-meter drop resistance, the HR3000 is built to withstand demanding operational environments.



CMOS



1D Barcode



2D Barcode



Postal



OCR



USB



RS232



Drop



IP Sealing

# NLS-HR3000

## Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		White LED
Aiming		Laser
Symbologies	1D	Code 11, Code 128, Code39, 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, Micro QR, Data Matrix, Aztec, Maxi Code, Chinese Sensible Code, GM Code, Micro PDF417, Code One, DotCode
	OCR	Passport OCR, Chinese ID Card, China Travel Permit OCR
	Postal	USPS Portnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal, Japan Post
	Digimarc	Digital watermark technology
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	35mm-500mm (13mil)
	Code 39	40mm-290mm (5mil)
	PDF 417	40mm-200mm (6.7mil)
	Data Matrix	35mm-220mm (10mil)
	QR Code	15mm-250mm (15mil)
Scan Angle**		Pitch: ±60°, Skew: ±60°, Roll: 360°
Field of View		Horizontal 48°, Vertical 30°
Min Symbol Contrast*		15%

## Physical

Interface		USB, RS-232
Operating Voltage		5VDC±5%
Rated Power Consumption		1175mW (typical)
Current@5VDC	Operating	235mA (typical), 260mA (max.)
	Idle	100mA
Dimensions (L×W×H)		115.7 (L)×67.5(W)×147mm(H)
Weight		140g
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 (contact discharge)
Drop	1.5m
Sealing	IP52

## Certificates

Certificates & Protection	CE, FCC, KC, BIS, RoHS 2.0, IEC62471, IEC60825
---------------------------	--

\*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

### Newland AIDC

Add: No.1 Ruijiang West Rd.,  
Mawei, Fuzhou, Fujian 350001, China  
Tel: +86-591-83979500  
Fax: +86-591-83979216  
Email: info@newlandaidc.com  
Web: www.newlandaidc.com

### Asia Pacific

Add: 6 Raffles Quay #14-06  
Singapore 048582  
Email: info@newlandaidc.com

### Europe & Middle East

Add: Rolweg 25, 4104 AV Culemborg,  
The Netherlands  
Tel: +31 (0) 345 87 00 33  
Email: sales@newland-id.com  
Tech Support: tech-support@newland-id.com

### North America & Latin America

Add: 46559 Fremont Blvd.,  
Fremont, CA 94538, USA  
Tel: +1 510 490 3888  
Fax: +1 510 490 3887  
Email: info@newlandaidc.com