



**Newland AIDC**  
Scanning Made Simple



# NLS-HR3000

## HANDHELD 2D BARCODE SCANNER

### FEATURES

- Extensive Data Capture Capabilities**  
Armed with Newland's self-developed of **UIMC®** technology, the HR3000 provides the added value of postal barcodes decoding, extending its data capture capabilities.
- Powerful Data Editing Capability**  
The scanner allows customizing scanned data with ease and provides supporting software to address diverse application needs.
- Durable Construction**  
The NLS-HR3000, built into an IP52-sealed and drop resistant (1.5m) housing, can stand up to tough environments.
- Ideal On-screen Barcode Scanning Solution**  
The HR3000 delivers unmatched reading performance for various O2O applications involving on-screen barcodes even when the screen is covered with protective film or set to its lowest brightness level.



CMOS



1D Barcode



2D Barcode



Postal



USB



RS232



Drop



IP Sealing



Retail

# NLS-HR3000

## Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		White LED
Aiming		Laser
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.
	2D	PDF417, QR Code, Micro QR, Data Matrix, Aztec, Maxi Code, Chinese Sensible Code, GM Code, Micro PDF417, Code One.
	OCR	Passport OCR, Chinese ID Card, China Travel Permit OCR
	Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	35mm-580mm (13mil)
	Code 39	50mm-250mm (5mil)
	PDF 417	40mm-215mm (6.7mil)
	Data Matrix	30mm-260mm (10mil)
Scan Angle**		Pitch: ±60°, Skew: ±60°, Roll: 360°
Field of View		Horizontal 48°, Vertical 30°
Min Symbol Contrast*		15%

## Physical

Interface		RS-232, USB
Operating Voltage		5VDC±5%
Rated Power Consumption		1351mW (typical)
Current@5VDC	Operating	271.28mA (typical), 281.39mA (max.)
	Idle	129.58mA
Dimensions (L×W×H)		117.5×67.5×144mm
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, RoHS 2.0, IEC62471, IEC60825 (on going)
---------------------------	--

\*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

### Newland AIDC

Add: No.1 Rujiang 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