



Newland AIDC
Scanning Made Simple



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, 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), 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	235mA (typical), 260mA (max.)
Dimensions (L×W×H)	Operating Idle 115.7 (L)×67.5(W)×147mm(H)
Weight	100mA 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
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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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