



Newland AIDC
Scanning Made Simple

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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



ID 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	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), 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	U:
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)
		Pitch: ±60°, Skew: ±60°, Roll: 360°
Field of View		Horizontal 48°, Vertical 30°
Min Symbol Contrast*		15%

Physical

Interface		RS232, USB
Operating Voltage		5VDC±5%
Rated Power Consumption		1351mW (typical)
	Operating	271.28mA (typical), 281.39mA (max.)
	Idle	129.58mA
Dimensions (LxWxH)		17.5×67.5×144mm
Weight		140g
Notification		Beep, LED, Vibration

Environmental

Operating Temperature		-20°C to 60°C (-4°F to 140°F)
		-40°C to 70°C (-40°F to 158°F)
Humidity		5%~95% (non-condensing)
ESD		±15KV (air discharge); ±8KV (contact discharge)
		15m
Sealing		IP52

Certificates

Certificates & Protection	CE, FCC, RoHS 2.0, IEC62471, IEC60825 (on going)
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*Test conditions: T=23 ; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23 ; 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

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