NLS-HR3000

HANDHELD 2D BARCODE SCANNER

FEATURES

○ Extensive Data Capture Capabilities
Armed with Newland's self-developed of **UIMG®** 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, 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.
	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	-20ºC to 60ºC (-4ºF to 140ºF)
Storage Temperature	-40ºC to 70ºC (-40ºF to 158ºF)
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

*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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