



# NLS-HR3280

## HANDHELD 2D BARCODE SCANNER

### FEATURES

- Extensive Data Capture Capabilities**  
Armed with Newland's six-generation of **UIMG®** technology, the HR3280 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-HR3280, built into an IP42-sealed and drop resistant (1.5m) housing, can stand up to tough environments.
- User-friendly Dual-color Illumination**  
Designed with the end user in mind, the HR3280 combines both red and white LEDs, and the ability to use them separately or together to meet the lighting requirements of various applications.
- Ideal On-screen Barcode Scanning Solution**  
The HR3280 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-HR3280

## Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		Red LED/ White LED
Aiming		Green LED
Symbologies	ID	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K etc.
	2D	PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc.
	Postal	USPS Postnet, Royal Mail, KIX Post, Australian Postal, etc.
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	55mm-570mm (13mil)
	Code 39	115mm-170mm (5mil)
	PDF 417	85mm-225mm (6.7mil)
	Data Matrix	65mm-305mm (10mil)
	QR Code	25mm-395mm (15mil)
Scan Angle**		Pitch: ±55°, Skew: ±55°, Roll: 360°
Field of View		Horizontal 39°, Vertical 24°
Min Symbol Contrast*		25%

## Physical

Interface		RS-232, USB
Operating Voltage		5VDC±5%
Rated Power Consumption		1289.6mW (typical)
Current@5VDC	Operating	238.2mA (typical), 260.5mA (max.)
	Idle	71.3mA
Dimensions (L×W×H)		113.5(W)×73.3(D)×159.0(H)mm
Weight		162g
Notification		Beep, LED

## 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	IP42

## Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B, RoHS
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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: V1.3

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