



**Newland AIDC**  
Scanning Made Simple



# NLS-HR3280-HC

## HANDHELD 2D BARCODE SCANNER

### FEATURES

- **Outstanding Performance**  
Includes core-technology, which is independently designed and manufactured by Newland Auto-ID. The HR3280-HC can effortlessly capture high-density, high volume and distorted barcodes printed on paper or displayed on a screen.
- **Disinfectant-ready Enclosure**  
The HR3280-HC in a housing created with nSHIELD™\*Antimicrobial agent, features a disinfectant-ready enclosure purpose-built to resist the harmful effects of harsh cleaning agents commonly used in healthcare environments and minimize the spread of infectious diseases.
- **Powerful Data Editing Function**  
The HR3280-HC allows customizing scanned data with ease and provides supporting software to address diverse application needs.
- **Humanized Illumination**  
The HR3280-HC can be set white and red led according to different workplaces. Not only relieving the visual fatigue but also improving working efficiency.
- **Ergonomic Design for Clinician**  
Blending ergonomic and aesthetics in its design, the HR3280-HC not only ensures operator comfort and productivity for intensive hand-held scanning but also meets the aesthetic needs of the healthcare environments.



CMOS



1D Barcode



2D Barcode



Postal



USB



RS232



Drop



IP 42

# NLS-HR3280-HC

## Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		Red LED/ White LED
Aiming		Green LED
Symbologies	ID	EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EANI28, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GSI Databar, Code 49, COOP 25, Code 16K, AIM 128, ISBT 128.
	2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode, GM Code, Code One.
	Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal, Japan Post.
	OCR	Passport OCR.
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	45mm-510mm (13mil)
	Code 39	75mm-220mm (5mil)
	PDF 417	70mm-215mm (6.7mil)
	Data Matrix	50mm-220mm (10mil)
	QR Code	20mm-330mm (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	241.2mA (typical), 260.5mA (max.)
	Idle	71.3mA
Dimensions (L×W×H)		159.0×113.5×73.3mm
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
Approved Cleaners	Disinfectant Ready. Refer to the user guide for the list of approved cleaners.

## 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: V1.1

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