



**Newland AIDC**  
Scanning Made Simple



## NLS-HR3280-BT

### WIRELESS 2D BARCODE SCANNER

## FEATURES

### ○ Outstanding Performance

The HR3280-BT is a barcode scanning powerhouse. No matter what type of barcode is presented, the megapixel camera allows users to scan 1D and 2D barcodes, including very small and high density ones, with impressive speed and ease.

### ○ Reliable and Stable Wireless Communication

Adopting the latest Bluetooth which is strong anti-interference and stable to transmit the data.

### ○ Low Consumption and Great Compatibility

The low consumption of HR3280-BT reduces connection issues and maximizes the compatibility for diverse applications.

### ○ Humanized Illumination Designation

The HR3280-BT can be set white and red led according to different workplaces. Not only relieving the visual fatigue but also improving working efficiency.



CMOS



1D Barcode



2D Barcode



USB



Drop



IP sealing



2400mAh



Bluetooth



Warehousing



Transportation and Logistic

# NLS-HR3280-BT

## Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		White LED & Red LED (622nm-628nm)
Aiming		Green LED (515nm-535nm)
Symbologies	2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode.
	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, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128.
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	50mm-495mm (13mil)
	Code 39	85mm-220mm (5mil)
	PDF 417	70mm-215mm (6.7mil)
	Data Matrix	50mm-220mm (10mil)
	QR Code	20mm-325mm (15mil)
Scan Angle**		Pitch: ±55°, Roll: 360°, Skew: ±55°
Field of View		Horizontal 39°, Vertical 24°
Min Symbol Contrast*		25%

## Wireless

Communication Mode	Synchronous, asynchronous and batch mode
Radio Technology	Bluetooth 5.0
Communication Distance	50m/164ft (direct line of sight in open air)
Memory Capacity	≥15000 pieces of Code 128 (20 byte of each Code 128)
Battery	2400 mAh lithium-ion battery
Expected Charge Time	4 hours (with power adapter)
Expected Battery Life	12 hours of continuous operation (scan once per 6 seconds)

## Physical

Interface	RS-232, USB
Operating Voltage	5VDC±5%
Dimensions (L×W×H)	Scanner: 113.5(W)×73.3(D)×159.0(H)mm
Weight	Scanner: 217g
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)
Battery Charge Temperature	0°C to 45°C (32°F to 113°F)
Humidity	5%-95% (non-condensing)
ESD	±8 KV (air discharge); ±4 KV (contact discharge)
Drop	Scanner: 1.5m/4.9ft Cradle: 1m/3.3ft
Sealing	Scanner: 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 printed barcodes made by Newland.

\*\*Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.6

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## More Details

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LINE ID

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Information

