



Newland AIDC
Scanning Made Simple



NLS-HR3280-BT-SD

WIRELESS 2D BARCODE SCANNER

FEATURES

○ Outstanding Performance

The HR3280-BT-SD 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-SD reduces connection issues and maximizes the compatibility for diverse applications.

○ Humanized Illumination Designation

The HR3280-BT-SD 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 42



2400mAh



Bluetooth



Retail

NLS-HR3280-BT-SD

Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		White LED & Red LED (622nm-628nm)
Aiming		Green LED
Symbologies	2D	Data Matrix, Maxicode, PDF417, Aztec, QR Code (Model 1/2), GM Code, Micro PDF417 Code, CODEONE, Chinese Sensible Code etc.,
	1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, UCC/EANI28, CodaBar, I2Of5, 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. etc.,
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 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	5.5 hours (trigger mode); 7.5 hours (smart stand mode)
Expected Battery Life	12 hours of continuous operation (scan once per 6 seconds)

Physical

Interface	USB
Operating Voltage	5VDC±5%
Dimensions	Scanner: 113.5(W)×73.3(D)×159.0(H)mm
Weight	Scanner: 217g
Notification	Beep, LED

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Charging 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 Cradle: 1m
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).

***Communication Distance:

1, There needs to be a large open space longer than four meters without visible obstacles (buildings, cars, furniture, human bodies and walls, etc.) and serious interference from 2.4G band equipment between the host and the scanner.

2, The host and the scanner must be separated from the large-area conductor (earth, metal plate, etc.) by more than 50cm in all directions.

3, The communication distance is valid when the host receives the correct barcode 10 times after manually scanning test barcodes (EAN13 13mil) in real-time mode.

Specifications are subject to change without notice.

Version: V1.3

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