![Newland AIDC - Scanning Made Simple]

NLS-HR2081-BT

WIRELESS 2D BARCODE SCANNER

FEATURES

○ Outstanding Performance

Equipped with an outstanding CPU, this wireless handheld scanner can effortlessly capture high-density, high-volume and distorted barcodes printed on paper or displayed on screen.

○ Exceptional Battery Life

With 2200mAh battery, it will run a comfortable 12 hours of continuous use. The provided USB cable allows convenient charging.

○ Reliable Wireless Communication

Adopting the latest Bluetooth 5.0 technology, the NLS-HR2081-BT is able to maintain a reliable wireless connection to transmit data. The communication distances up to 50m.

○ Durable Construction

The NLS-HR2081-BT, built into an IP42-sealed and drop resistant (1.5m) housing with no moving parts, fortifies itself inside and out.

| CMOS | 1D Barcode | 2D Barcode | OCR | IP sealing | Drop | USB | 2400mAh |

NLS-HR2081-BT

Performance

Image Sensor		640×480 CMOS
Illumination		White LED
Aiming		Red LED (625nm)
	1D	Code-11, Code-128, Code-39, GS1-128(UCC/EAN-128), AIM-128, ISBT-128, Codabar, Code 93, UPC-A, UPC-E, Coupon, GS1 Composite, EAN-8, EAN-13, ISBN/ISSN, Interleaved 2 of 5, Febraban, Matrix 2 of 5, Industrial 25, ITF-6, ITF-14, Standard 25, China Post 25, MSI-Plessey, Plessey, GS1 Databar(RSS)
	2D	PDF417, Micro PDF 417, QR Code, Data Matrix, Micro QR Code Aztec, Data Matrix
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	50mm-260mm (13mil)
	QR Code	30mm-170mm (15mil)
	Code 39	50mm-115mm (5mil)
	PDF 417	50mm-120mm (6.67mil)
	Data Matrix	35mm-125mm (10mil)
Scan Angle**		Pitch: ±60°, Roll: 360°, Skew: ±60°
Field of View		Horizontal 45°, Vertical 34°
Min Symbol Contrast*		20%

Wireless

Communication Mode		Synchronous mode, automatic batch mode and manual batch mode
Radio Technology		Bluetooth 5.0
Communication Distance (open space)	With Bluetooth	50m
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
Expected Battery Life		12 hours of continuous operation (scan once per 6 seconds)

Physical

Interface	USB
Operating Voltage	5VDC±5%
Dimensions (L×W×H)	145×101×68mm
Weight	167g
Notification	Beep, LED, vibration

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	±15 KV (air discharge); ±8 KV (direct discharge)
Drop	1.5m
Sealing	IP42

Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B, RoHS, IEC62471, BIS, BQB

*Test conditions: T=23℃; 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;
1D: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.8