NLS-HR2081-BT

Wireless 2D Barcode Scanner

CMOS | **1D** | **2D** | **USB**

IP42 | **1.2m DROP**

Features

■ **Outstanding Performance**

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

■ **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.

■ **Exceptional Battery Life**

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

■ **Durable Construction**

The NLS-HR2081-BT, built into an IP42-sealed and drop resistant (1.2m) housing with no moving parts, fortifies itself inside and out.

Application Scenarios

O2O applications, purchase-sales-inventory management, ticket/voucher management, office automation.

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Performance	Image Sensor		640×480 CMOS
	Illumination		White LED
	Aiming		Red LED (625nm)
	Symbologies	2D	PDF417, Micro PDF 417, QR Code, Data Matrix, Micro QR Code Aztec, Data Matrix
		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)
		OCR	Passport OCR
	Resolution*		≥3mil
	Typical Depth of Field*	EAN-13	45mm-260mm (13mil)
		QR Code	30mm-170mm (15mil)
		Code 39	45mm-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 42°, Vertical 28°
	Min. Symbol Contrast		20%
Wireless	Communication Mode		Synchronous mode, automatic batch mode and manual batch mode
	Radio Technology		Bluetooth 5.0/2.4G
	Communication Distance (direct line of sight in open air)	With Bluetooth	≥50m
		With 2.4G	≥30m
	Memory Capacity		≥15000 pieces Code 128 (20 byte of each Code 128)
	Battery		2200 mAh lithium-ion battery
	Expected Charge Time		≤5.5 hours (with power adapter)
	Expected Battery Life		≥12 hours of continuous operation (scan once per 6 seconds)
Physical	Interfaces		USB
	Dimensions (L×W×H)		145×101×68mm
	Weight		167g
	Notification		Beep, LED indicator, vibration
	Charge Voltage		5VDC±5%

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Environmental	Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
	Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
	Charge Temperature	0℃ to 45℃ (32°F to 113°F)
	Humidity	5% ~ 95% (non-condensing)
	ESD	±15 KV (air discharge); ±8 KV (direct discharge)
	Drop	1.2m
	Sealing	IP42

*Test conditions: T=23℃; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.
**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23℃; Illumination=300lux using incandescent lamp;
        2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.
Specifications are subject to change without notice.   Version: V1.0