NLS-HR3280-BT
Wireless 2D Barcode Scanner

Newland

CMOS | 1D | 2D
USB | 1.5m DROP | RS-232
2200mAh | Bluetooth | IP42

Features

◉ **Outstanding Performance**

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

◉ **Reliable and Stable Wireless Communication**

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

◉ **Megapixel Camera**

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.

◉ **Powerful Data Editing Function**

The NLS-HR3280-BT allows to customize decoding mode flexibly through preset.

◉ **Low Consumption and Great Compatibility**

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

◉ **Humanized Illumination Designation**

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

Application Scenarios

Retail chains, inventory management, warehouse and logistics, express delivery services and supermarket, food traceability, electricity meter reading, asset counting, healthcare, etc.

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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.
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EAN128, 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 (13mil)	50mm-495mm
		Code 39 (5mil)	85mm-220mm
		PDF 417 (6.7mil)	70mm-215mm
		Data Matrix (10mil)	50mm-220mm
		QR Code (15mil)	20mm-325mm
	Scan Angle**	Pitch	±55°
		Skew	±55°
		Tilt	360°
	Field of View		Horizontal 39°, Vertical 24°
	Min. Symbol Contrast		≥25%
Wireless	Communication Mode		Synchronous, asynchronous and batch modes
	Radio Technology		Bluetooth 5.0
	Communication Distance		50m/164ft (direct line of sight in open air)
	Memory Capacity		≥15000 pieces Code 128 (20 byte of each Code 128)
	Battery		2200 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	Interfaces		RS-232, USB
	Dimensions		Scanner: 113.5(W)×73.3(D)×159.0(H)mm
	Weight		Scanner: 217g
	Notification		Beep, LED indicator
	Operating Voltage		5VDC±5%
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)

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SCANNING MADE SIMPLE

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Environmental	ESD	±8 KV (air discharge); ±4 KV (direct discharge)
	Drop	Scanner: 1.5m/4.9ft Cradle: 1m/3.3ft
	Sealing	Scanner: IP42
Certifications		FCC Part15 Class B, CE EMC Class B

*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.

Specification are subject to change without notice   Version: V1.4