Newland AIDC
Scanning Made Simple

NLS-HR5280-BT

WIRELESS 2D BARCODE SCANNER

FEATURES

Outstanding Performance

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

Durable Construction

The scanner is built into an IP54-sealed and drop resistant (1.8m) housing without moving parts and fortifies itself.

Powerful Data Editing Function

The HR5280-BT allows to customize decoding mode flexibly through preset.

Low Consumption and Great Compatibility

The low consumption of HR5280-BT reduces connection issues and maximizes the compatibility for diverse applications.

Reliable and Stable Wireless Communication

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

CMOS | 1D Barcode | 2D Barcode | Drop | IP sealing | USB | RS232 | Bluetooth | 2400mAh

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Performance

Image Sensor		1280×800 (megapixel) CMOS
Illumination		White LED
Aiming		650nm laser diode
Symbologies	2D	PDF417, Micro PDF 417, QR Code, Micro QR Code, Data Matrix, Aztec, Maxicode, Chinese Sensible Code, GM Code, Code One
	1D	EAN-13, EAN-8, UPC-A, UPC-E, Coupon, Febraban, ISSN, ISBN, Codabar, Code 128, Code93, ITF-6, ITF-14, China Post 25, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 25, GS1 Databar(RSS), GS1-128 (UCC/EAN-128), GS1 Composite(EAN UCC Composite), Code 39, Code 11, MSI-Plessey, Plessey, AIM 128, ISBT 128, Code 49, Code 16K
	Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, KIX Post, Australian Postal
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	50mm-555mm (13mil)
	Code 39	110mm-240mm (5mil)
	PDF 417	90mm-210mm (6.7mil)
	Data Matrix	90mm-190mm (10mil)
	QR Code	40mm-360mm (15mil)
Scan Angle**		Pitch: ±55°, Roll: 360°, Skew: ±55°
Field of View		Horizontal 42°, Vertical 28°
Min Symbol Contrast*		20%

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: 172.5×77.5×95.5mm Cradle: 194.0×90.5×68mm
Weight	Scanner: 227g
Notification	Beep, LED indicator, vibration

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)
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	Scanner: 1.8m/5.9ft Cradle: 1m/3.3ft
Sealing	Scanner: IP54

Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B. RoHS

*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;

1D: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.5

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