

NLS-HR32-BT

Wireless 2D Barcode Scanner



Features

More Reliable Wireless Communications

Bluetooth 5.0 radio gives users the freedom to scan barcodes from up to 50 meters from the cradle, and the perks of faster data rate, more reliable wireless communications, better energy efficiency and much easier pairing over the Bluetooth wireless connection.

More Reliable, More Versatile, More Efficient Scanning Solution

In addition to excelling at scanning high-density barcodes, this scanner also provides the added value of postal barcodes decoding, hands-free scanning and incredible capability to handle poor-quality and damaged barcodes.

Flexible mounting of cradle

The cradle can be easily set up in a horizontal, standing, or wall mount configuration depending on application environment.

Durable Construction

The NLS-HR32, built into an IP42-sealed and drop resistant (1.5m) housing, can stand up to tough environments.

Application Scenarios

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

Bluetooth 2D Barcode Scanner

Performance	Image Sensor	1280×800 CMOS	
	Illumination	Red LED / White LED	
	Aiming	Green LED	
	Symbologies	2D: PDF417, QR Code, Data Matrix, Chinese Sensible Code, etc. 1D: EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.	
	Resolution*	≥3mil	
	Typical Depth of Field*	EAN-13 (13mil): 50mm-495mm Code 39 (5mil): 85mm-220mm PDF417 (6.7mil): 70mm-215mm Data Matrix (10mil): 50mm-220mm QR Code (15mil): 20mm-325mm	
	Motion Tolerance*	Max. 50cm/s	
	Scan Angle**	Roll: 360°, Pitch: ±55°, Skew: ±55°	
	Field of View	Horizontal 39°; Vertical 24°	
	Min. Symbol Contrast	25%	
	Wireless	Communication Modes	Automatic Batch and Manual Batch modes
		Radio Technology	Bluetooth 5.0
Communication Distance		≥50m (in open space)	
Flash Memory		≥15,000 code entries (Code 128, 20 bytes)	
Battery		2200mAh lithium-ion battery	
Expected Battery Life		≥12 hours of continuous operation (scan once per 6 seconds)	
Expected Charge Time		≤4 hours (with power adapter)	
Mechanical/ Electrical	Interfaces	RS-232, USB, PS/2 (optional)	
	Dimensions (L×W×H)	Scanner: 113.5×73.3×159.0mm	
	Weight	Scanner: 210g	
	Notification	Beep, LED	
	Charging 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)	
	Humidity	5%~95% (non-condensing)	
	ESD	±8KV (air discharge); ±4KV (direct discharge)	
	Drop	Scanner: 1.5m Cradle: 1.0m	
Sealing	IP42		
Certifications	FCC Part15 Class B, CE EMC Class B		

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp;
2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: Preliminary

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