

NLS-HR52

Wireless 2D Barcode Scanner



Features

■ 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.

■ Ultra-rugged Construction

The NLS-HR52, built into an IP54-sealed and drop resistant (1.8m) housing, can stand up to tough environments.

■ Flexible mounting of cradle

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

■ User-friendly Illumination & Aiming

Designed with the end user in mind, this scanner employs highly visible laser aimer to achieve crisp and accurate targeting while using flicker-free white soft illumination to reduce eye strain and fatigue from long-time operation.

■ 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.

Application Scenarios

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

Wireless 2D Barcode Scanner

Performance	Image Sensor	1280×800 CMOS
	Illumination	White LED
	Aiming	650nm laser diode
	Symbologies	2D: PDF417, QR Code, Data Matrix, Aztec, Maxicode, etc. Postal: USPS Postnet, Royal Mail, KIX Post, Australian Postal, 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
	Motion Tolerance*	Max. 50cm/s
	Typical Depth of Field	EAN-13 (13mil): 30mm-550mm Code 39 (5mil): 90mm-230mm PDF417 (6.7mil): 110mm-210mm Data Matrix (10mil): 100mm-220mm QR Code (15mil): 30mm-370mm
	Scan Angle	Roll: 360°, Pitch: ±55°, Skew: ±55°
	Min. Symbol Contrast	20%
	Field of View	Horizontal 42°, Vertical 28°
Mechanical/ Electrical	Interfaces	RS-232, USB
	Dimensions (L×W×H)	Scanner: 95.5×77.5×172.5mm
	Weight	Scanner: 227g
	Notification	Beep, LED, vibration
	Power Supply Voltage for Charging	5VDC±5%
Environmental	Operating Temperature	-20℃ to 50℃ (-4℉ to 122℉)
	Storage Temperature	-40℃ to 70℃ (-40℉ to 158℉)
	Humidity	5%~95% (non-condensing)
	ESD	±15KV (air discharge); ±8KV (direct discharge)
	Drop	Scanner: 1.8m Cradle: 1.0m
	Sealing	Scanner: IP54
Wireless	Communication Modes	Automatic Batch and Manual Batch modes
	Radio Technology	Bluetooth 5.0
	Communication Distance	≥50m (in open space)
	Memory Capacity	1MB (capable of storing the data of over 20,000 EAN-13 barcodes)
	Battery	2200mAh lithium-ion battery
	Expected Battery Life	≥12 hours of continuous operation (scan once per 6 seconds)
Certifications	Expected Charge Time	≤4 hours (with power adapter)
		FCC Part15 Class B, CE EMC Class B

Specifications are subject to change without notice.

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