

NLS-HR42

Handheld Industrial DPM Barcode Scanner



Features

■ Excellent DPM Decoding Capability

Armed with Newland's latest-generation industrial decoding algorithm, it has strong decoding ability for DPM barcodes such as radium carving and dotting barcodes.

■ New Upgrade of Optical Depth Of Field

It adopts the depth of field design which is more in line with the user's habits.

■ Easy to Configure and Update

By configuring the software NSet, the scanner's functions can be diversified configuration.

■ High-Resolution Image Sensor

Using 1280×960 megapixels image sensor, the scanner can decode higher precision barcodes.

■ High Protection Industrial Structure Design

The NLS-HR42 adopts a more suitable sound cavity design, high elastic trigger design, which is more ergonomic and has better pull feedback. It is built into an IP42-sealed, which can withstand repeated falls from 1.8 meters to the ground, with excellent reliability and stability.

Application Scenarios

Electronic production traceability management, metal manufacturing traceability management, auto parts quality traceability management.

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Performance	Image Sensor	1280×960 CMOS		
	Illumination	White LED;		
	Aiming	650nm laser diode		
	Symbolologies	2D	QR Code, Micro QR Code, PDF 417, Data Matrix.	
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, UCC/EAN128, Interleaved 2 of 5, ITF-14, ITF-6, Matrix 2 of 5, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25, Standard 25, Plessey, Code11, MSI Plessey, AIM 128, ISBT 128, COOP 25, Deutsche14, Deutsche12.	
	Resolution*	≥3mil		
	Typical Depth of Field*	EAN-13(13mil)	25mm-160mm	
		Code 39(5mil)	40mm-100mm	
		Code 39(20mil)	35mm-210mm	
		Data Matrix(10mil)	0mm-125mm	
		QR Code(20mil)	20mm-180mm	
	Motion Tolerance*	2m/s		
	Scan Angle**	Roll: 360°, Pitch: ±50°, Skew: ±50°		
Field of View	Horizontal 41°, Vertical 31°			
Min. Symbol Contrast*	25%			
Mechanical/	Interfaces	RS-232, USB		
Electrical	Dimensions	74(W) ×115(D) ×161(H) mm (max.)		
	Weight	173g		
	Notification	Beep, LED indicator, Vibration		
	Rated Power Consumption	2220.8mW (typical)		
	Operating Voltage	5VDC±5%		
	Current@5VDC	Operating	401.5mA (max.)	
		Idle	109mA	
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)		
	Humidity	5%~95% (non-condensing)		
	Ambient Light	0~100,000lux (natural light)		
	ESD	±8 KV (direct discharge); ±16 KV (air discharge)		
	Drop	1.8m		
	Sealing	IP42		
Certifications	CE EMC Class B, FCC Part15 Class B, RoHS, IEC62471, EN 60825-1:2014			

*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.

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