

# 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.

### Handheld Industrial DPM Barcode Scanner

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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