



NLS-HR42

INDUSTRIAL HANDHELD 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. And it is built into an IP42-sealed, which can withstand repeated falls from 1.8meters to the ground, with excellent reliability and stability.



2D Barcode



IP42



ID Barcode



NSet



Manufacturing



RS232



USB

NLS-HR42

Performance

Image Sensor		1280 × 960 CMOS
Illumination		White LED(GHD) Red LED(GAP)
Aiming		650nm laser diode
Symbologies	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
Product Type		NLS-HR42
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
Min. Symbol Contrast*		25%
Scan Angle**		Roll: 360°, Pitch: ±50°, Skew: ±50°
Motion Tolerance*		2m/s
Field of View		Horizontal 41°, Vertical 31°

Physical

Interface		USB, RS232, PS/2
Operating Voltage		5VDC±5%
Rated Power Consumption		2220.8mW (typical)
Current@5VDC	Power consumption	401.5mA(Max)
	Idle	109mA
Dimensions		74(W) ×115(D) ×161(H) mm (max.)
Weight		173g
Notification		Buzzer, LED indicator, Vibrator

Environmental

Operating Temperature	-20°C to 50°C
Storage Temperature	-40°C to 70°C
Humidity	5% to 95% (non-condensing)
Ambient Light	0-100,000lux (natural light)
ESD	±16 KV (air discharge); ±8 KV (direct discharge)
Drop	1.8m
Sealing	IP42

Certificates

Certificates & Protection	CE EMC Class B, FCC Part15 Class B, RoHS IEC62471, EN 60825-1:2014
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*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;

Specifications are subject to change without notice.

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