



## NLS-NVH300-HD

### HANDHELD INDUSTRIAL DPM BARCODE SCANNER

## FEATURES

#### Excellent DPM Decoding Capability

With the new generation of industrial decoding algorithm, it has strong decoding ability for DPM barcodes such as radium carving and dotting barcodes.

#### Advanced Illumination system

Provide white direct illumination, red diffuse ring lights, rich lighting system can meet different materials (such as reflection), shape (curved surface), background and bar code color of all kinds of complex scanning code needs.

#### Intelligent Light Selection & Rich Configuration Functions

It is equipped with intelligent light source selection function, which can automatically adjust the light source type according to the decoding efficiency. And software NSet provides a variety of configuration functions.

#### High Protection Industrial Structure Design

The NVH300, built into an IP42-sealed and drop resistant (1.8m) housing with no moving parts fortifies itself inside and out.



2D Barcode



1D Barcode



NSet



RS232



USB



Drop

# NLS-NVH300-HD

## Performance

Image Sensor		1280 × 960 CMOS
Illumination		Direct: white light LED;
Aiming		Diffuse: Ring of red LEDs;
		650nm laser diode
Symbologies	2D	QR Code, PDF417, Micro QR, Data Matrix, AZTEC.
	1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code128, Code93, Code11, COOP25, GSI-128(UCC/EAN-128), ITF-6, ITF-14, AIM128, ISBT128, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, MSI Plessey, Code 39, Plessey, Deutsche 14, Deutsche 12.
Resolution*		≥3mil
Product Type		NLS-NVH300-HD
Typical Depth of Field*	Code 39(3.3mil)	38mm-68mm
	Code 39(5mil)	18mm-90mm
	Data Matrix(5mil)	18mm-58mm
	Data Matrix(10mil)	0mm-90mm
	QR Code(5mil)	20mm-50mm
	QR Code(10mil)	0mm-90mm
Motion Tolerance*		2m/s
Min. Symbol Contrast*		20%
Scan Angle**		Roll: 360°, Pitch: ±60°, Skew: ±55°
Field of View		Horizontal 41°, Vertical 31°

## Physical

Interface		USB, RS232
Operating Voltage		5VDC±5%
Rated Power Consumption		2250mW (typical)
Current@5VDC	operating(typical)	450mA
	operating(max.)	475mA
Dimensions		76.0(W) ×107.0(D) ×179.0(H) mm
Weight		235g
Notification		Beep, LED indicator, Vibrator

## 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% to 95% (non-condensing)
ESD		±16 KV (air discharge); ±8 KV (direct discharge)
Drop		1.8m
Sealing		IP42
Certifications		FCC Part15 Class B, CE EMC Class B
Accessories	Cable	USB
	RS-232	Used to connect the NVH300 to a host device.

\*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;

2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V2.0 2023/01/01

### Newland AIDC

Add: No.1 Ruijiang West Rd.,  
Mawei, Fuzhou, Fujian 350001, China  
Tel: +86-591-83979500  
Fax: +86-591-83979216  
Email: info@newlandaidc.com  
Web: www.newlandaidc.com

### Asia Pacific

Add: 6 Raffles Quay #14-06  
Singapore 048582  
Email: info@newlandaidc.com

### Europe & Middle East

Add: Rolweg 25, 4104 AV Culemborg,  
The Netherlands  
Tel: +31 (0) 345 87 00 33  
Email: sales@newland-id.com  
Tech Support: tech-support@newland-id.com

### North America & Latin America

Add: 46559 Fremont Blvd.,  
Fremont, CA 94538, USA  
Tel: +1 510 490 3888  
Fax: +1 510 490 3887  
Email: info@newlandaidc.com