



# 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.

- **Advanced Illumination System**

The NVH300 provides white direct illumination, red diffuse ring lights. Great lighting system is efficient to scan all kinds of complex barcodes in different materials, shapes (curved surface), backgrounds and colors.

- **Intelligent Light Selection & Great Configuration Functions**

It is equipped with intelligent light source selection, which can automatically adjust the light source. And EasySetEX software 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.



CMOS



1D Barcode



2D Barcode



USB



RS232



IP sealing



Drop



Laser Aimer



Warehousing



Manufacturing

# NLS-NVH300-HD

## Performance

Image Sensor		1280×960 CMOS
Illumination		Direct: White LED Diffuse: Ring of red LEDs
Symbologies	Aiming	650nm laser diode
	2D	QR Code, Data Matrix
	1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EANI28, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plessey, UCC/EAN Composite, GS1 Databar, Code 49, Code 16K, AIM 128, ISBT 128.
Resolution*		≥3mil
Typical Depth of Field*	Code 39	38mm-68mm (3.3mil)
	Code 39	18mm-90mm (5mil)
	Data Matrix	18mm-58mm (5mil)
	Data Matrix	0mm-90mm (10mil)
	QR Code	20mm-50mm (5mil)
	QR Code	0mm-90mm (10mil)
Motion Tolerance*		Max. 2m/s (6.56ft/s)
Scan Angle**		Pitch: ±60°, Roll: 360°, Skew: ±55°
Field of View		Horizontal 41°, Vertical 31°
Min Symbol Contrast*		20%

## Physical

Interface		RS-232, USB
Rated Power Consumption		2250mW (typical)
Operating Voltage		5VDC±5%
Current@5VDC	Operating	450mA (typical), 475mA (max.)
Dimensions		76(W)×107(D)×179(H)mm
Weight		235g
Notification		Beep, LED, Vibration

## 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)
ESD		±8 KV (direct discharge); ±16 KV (air discharge)
Drop		1.8m/5.9ft
Sealing		IP42

## Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B, RoHS
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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;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.4

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