

# NLS-NVH300-DP



## 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 NLS-NVH300 provides white direct illumination, red and blue 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 NLS-NVH300, built into an IP64-sealed and drop resistant (1.8m) housing with no moving parts fortifies itself inside and out.

### Application Scenarios

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

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<b>Performance</b>	Image Sensor	1280×960 CMOS	
	Illumination	Direct: White LED; Diffuse: Ring of red LEDs, Ring of blue LEDs;	
	Aiming	650nm laser diode	
	Symbologies	2D	PDF417, Micro PDF417, QR Code, Micro QR Code, Aztec, Data Matrix, Chinese Sensible Code, Maxicode.
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code128, Coupon, UCC/EAN128, CodaBar, I2Of5, Febraban, ITF14, ITF6, Matrix 25, Code39, Code93, ISSN, ISBN, Industrial 2 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%		
<b>Mechanical/ Electrical</b>	Interfaces	RS-232, USB	
	Dimensions	76(W)×107(D)×185(H)mm	
	Weight	245g	
	Notification	Beep, LED indicator, Vibration	
	Rated Power Consumption	2250mW (typical)	
	Operating Voltage	5VDC±5%	
	Current@5VDC	Operating 450mA (typical), 475mA (max.)	
	<b>Environmental</b>	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		IP64	
<b>Certifications</b>	FCC Part15 Class B, CE EMC Class B		

\*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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