NLS-NVH300-DP

Newland

Handheld Industrial DPM Barcode Scanner

CMOS	1D	2D	Laser Aimer
USB	RS-232	1.8m DROP	

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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Performance	Image Sensor		1280×960 CMOS
	Illumination		Direct: White LED; Diffuse: Ring of red LEDs, Ring of blue LEDs;
	Aiming		650nm laser diode
	Symbologies	2D	QR Code, Data Matrix
		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 25, Standard 25, China Post 25, Plessey, Code 11, MSI Plssey, 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%
Mechanical/ Electrical	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.)
Environmental	Operating Temperature		-20℃ to 50℃ (-4°F to 122°F)
	Storage Temperature		-40℃ to 70℃ (-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
Certifications			FCC Part15 Class B, CE EMC Class B

*Test conditions: T=23℃; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23℃; Illumination=300lux using incandescent lamp;
2D QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice. Version: 1.1

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