

# NLS-NVF230

## Fixed Mount 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 dot-peen barcodes.

### ■ Flexible I/O Configuration

Through I/O expansion interface, it is easy to realize external trigger scanning, and can control external devices, such as lighting, indicator light, buzzer, etc., which is the best choice for low-cost automation. The I/O and the input power supply are designed to prevent the equipment damage caused by misoperation.

### ■ High-Resolution Image Sensor

Using 1280 × 800 megapixels image sensor, the scanner can decode 3mil barcodes.

### ■ High Protection Industrial Structure Design

The NLS-NVF230, built into an IP54-sealed and can prevent the critical components from splashing water and dust. That ensures the scanner has a long-term reliable scanning performance.

### ■ Equipped with Auto Train Function

NVF230 can support Auto-Train function. By Learning, NVF230 automatically selects the best settings for the given reading situation, based on parameters of illumination, camera and decoder properties. This feature to create an optimum setting to read your codes.

## Application Scenarios

Production traceability, quality management in electronic manufacturing, battery production, automobile manufacturing.

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<b>Performance</b>	Image Sensor	1280×800 CMOS			
	Illumination	Red LED(AP); White LED(SR/HD/HHD)			
	Symbologies	2D	QR Code, Data Matrix, PDF 417, Micro QR.		
		1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Code 128, Code 39, Codabar, UCC/EAN 128, AIM128, Interleaved 2 of 5, ITF-14, ITF-6, Standard 2 of 5, Matrix 2 of 5, COOP 25, Industrial 2 of 5, Plessey, MSI Plessey, Code 11, Code 93, ISBT128, Deutsche14, Deutsche12.		
	Resolution	≥3mil			
	Depth of Field		NVF230-SR	NVF230-HD/AP	NVF230-HHD
		EAN-13(13mil)	50-340mm	70-165mm	
		Code 39(5mil)	75-175mm	60-120mm	
		Data Matrix(10mil)	50-200mm	50-115mm	
		QR Code(15mil)	50-290mm	30-145mm	
QR Code(5.6mil)				30-40mm	
	QR Code(6.7mil)			28-53mm	
Scan Angle	Pitch: ±55°, Roll: 360°, Skew: ±50°				
Field of View	Horizontal 48.5°, Vertical 30.7°				
Min. Symbol Contrast	25%				
<b>Mechanical/ Electrical</b>	Interfaces	USB, RS232, Ethernet			
	Input	Maximum 15mA (input power: 5V ~ 30V); 1 channel			
	Outputs	Maximum 60mA (input power ≤ 30V); 2 channels			
	Dimensions	45(W)×51(D)×25(H)			
	Weight	176g			
	Notification	Beep, LED indicator			
	Rated Power Consumption	White LED: 1859mW (typical); RED LED: 1859 mW (typical)			
	Operating Voltage	5 V~24VDC			
	Current@5VDC	Operating	White LED: 387mA (typical), 571mA (max)		
		Standby	58mA		
<b>Environmental</b>	Operating Temperature	-20°C to 60°C (-4°F to 140°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	1.5m			
	Sealing	IP54			

Specifications are subject to change without notice.

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