

# NLS-FR27

## Fixed Mount Barcode Scanner



## Features

### ■ World-leading **UIMG®** Technology

Armed with Newland's latest-generation **UIMG®** technology, the NLS-FR27 can decode even poorer quality barcodes, such as soiled or wrinkled labels, with ease.

### ■ Space-saving Scanner

Thanks to its lightweight, compact design, the NLS-FR27 can be conveniently positioned on a small narrow desk, a store shelf or at customer retail points where counter space is at a premium.

### ■ Snappy On-screen Barcode Capture

Optimized for digital barcode reading, this CPU-based scanner is capable of reading 1D as well as high-volume 2D barcodes on a screen covered with protective film.

### ■ Superior Motion Tolerance

Exceptional motion tolerance (2.7m/s) and large FOV (horizontal 68°, vertical 51°) enhance user experience.

## Application Scenarios

Cashier counters in department stores/supermarkets/convenience stores, ticket validation, customer service desks, O2O applications, etc.

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<b>Performance</b>	Image Sensor	640 * 480 CMOS		
	Illumination	White LED		
	Symbologies	2D	QR Code, Micro QR Code, PDF 417, Micro PDF 417, Data Matrix, Aztec, Maxicode, GM Code, Chinese Sensible Code, GM Code, Code One.	
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, Coupon, UCC/EAN128, Interleaved 2 of 5, Febraban, ITF-14, ITF-6, Matrix 2 of 5, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25, Standard 25, Plessey, Code11, MSI-Plessey, UCC/EAN Composite, GS1 Databar, AIM 128, ISBT 128, Code 49, Code 16K.	
		Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal.	
	Resolution*	≥5mil		
	Typical Depth of Field*	EAN-13	20mm-105mm (13mil)	
		PDF417	30mm-40mm (6.7mil)	
		Data Matrix	30mm-45mm (10mil)	
		QR Code	0mm-85mm (15mil)	
	Scan Mode	Sense mode, Continuous mode		
	Min. Symbol Contrast*	20%		
	Scan Angle**	Roll: 360°, Pitch: ±75°, Skew: ±75°		
Motion Tolerance*	2.7m/s			
Field of View	Horizontal 68°, Vertical 51°, Diagonal 84.8°			
<b>Mechanical/ Electrical</b>	Interface	USB		
	Operating Voltage	5VDC±5%		
	Rated Power Consumption	698mW (typical)		
	Current@5VDC	Operating	140mA (typical)	
		Idle	100mA (typical)	
	Dimensions	66.3(W) × 76.3(D) × 38(H) mm (max.)		
	Weight	120g		
<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% to 95% (non-condensing)		
	Ambient Light	0~100,000lux (natural light)		

### Newland Headquarter

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SCANNING MADE SIMPLE

## Fixed Mount Barcode Scanner

<b>Environmental</b>	ESD	±12 KV (air discharge); ±8 KV (direct discharge)
	Drop	1.5m
	Sealing	IP42
<b>Certifications</b>		VCCI, RoHS, CE, FCC

\*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;

1D: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.3

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