

NLS-FR27

Fixed Mount Barcode Scanner



Features

■ World-leading UIMG[®] Technology

Armed with Newland's latest-generation **UIMG[®]** technology, the NLS-FR27 tch 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.

Fixed Mount Barcode Scanner

Performance	Image Sensor	640 * 480 CMOS	
	Illumination	White LED	
	Symbologies	2D	QR Code, PDF 417, Data Matrix, etc.
		1D	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, UCC/EAN128, Interleaved 2 of 5, 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, etc.
	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°		
Mechanical/ Electrical	Interface	USB	
Electrical	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		
Environmental	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)	
	ESD	±12 KV (air discharge); ±8 KV (direct discharge)	
	Drop	1.5m	
	Sealing	IP42	
Certifications	VCCI, RoHS		

*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.

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