

NLS-FR2080

Desktop Barcode Scanner



Features

■ Snappy On-screen Barcode Capture

Armed with Newland's fifth-generation of **UIMG®** technology, the NLS-FR2080 can decode 1D and 2D barcodes accurately and rapidly and is incredibly reader-friendly on smartphone & tablet displays.

■ Large Scan Window

The NLS-FR2080 provides a large scan window to further enhance the user experience.

■ Diffuse Illumination

The NLS-FR2080 offers a diffuse and extremely even illumination which closely resembles natural light to make it possible for rapid capture of barcodes on a screen at low brightness levels.

■ LED Indicator & Buzzer

The NLS-FR2080 uses both audible and visible indicators to notify users when it decodes a barcode, ensuring that users can easily keep track of scanner feedback and properly complete scans, saving valuable worker time.

■ Improved Sensibility

The NLS-FR2080 is able to speedily "sense" and decode barcodes that are presented to it, markedly increasing throughput and productivity.

Application Scenarios

Barcode-based payment, group purchase verification, customer service desks.

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Performance	Image Sensor	640×480 CMOS		
	Illumination	White LED		
	Symbologies	2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec.	
		1D	EAN-8, EAN-13, UPC-A, UPC-E, ISSN, ISBN, Codabar, Standard 2 of 5, Code 128, Code93, ITF-6, ITF-14, GS1 Databar, MSI-Plessey, Code 39, Interleaved 2 of 5, Industrial 2 of 5, Matrix 2 of 5, Code 11, Plessey, etc.	
	Resolution*	>5mil		
	Scan Window	82mm×64mm		
	Scan Angle**	Pitch: ±50°, Roll: 360°, Skew: ±50°		
	Screen Brightness	≥15%		
	Field of View	Horizontal 69.5°, Vertical 54.8°		
	Symbol Contrast*	>30%		
Mechanical/	Interfaces	USB		
Electrical	Dimensions	100.3(W)×120.3(D)×102.8(H)mm		
	Weight	296g		
	Notification	Beep, LED indicator		
	Rated Power Consumption	837.3mW		
	Operating Voltage	5VDC±5%		
	Current@5VDC	Operating	118.4mA (typical), 174.5mA (max.)	
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%~95% (non-condensing)		
	ESD	±8 KV (air discharge); ±4 KV (direct discharge)		
Certifications	FCC Part15 Class B, CE EMC Class B, RoHS			
Accessories	Cable	USB	Used to connect the NLS-FR2080 to a host device.	

*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.

Version: V1.0