

NLS-FM80

Fixed Mount Barcode Scanner



Features

■ Superior Scanning Performance

Armed with Newland's sixth-generation of **UIMG®** technology, this scanner can scan 1D and 2D barcodes and delivers stunning performance on decoding the EAN-13 barcode.

■ High Motion Tolerance

With 3.5m/s motion tolerance, the scanner can quickly capture moving goods, which greatly enhances efficiency.

■ Multiple Status indicators

6 kinds of status indicators show current working status of the scanner, including decoding, configuration, communication and abnormal status.

■ Advanced Sense Mode

The scanner activates a decode session every time it detects a barcode presented to it, and the target barcode shown in the window will not be read repeatedly.

■ Large Scan Window

Large scan window meets demands of goods with different sizes. When goods comes closer to the scan window, the scanner will conduct quick scanning.

Application Scenarios (as an accessory)

Self-service retail devices, supermarkets, etc.

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OEM Scan Engine

Performance	Image Sensor	1280 * 1088 CMOS		
	Illumination	Red LED (614nm~624nm)		
	Symbologies	2D	PDF417, QR Code, Data Matrix, Aztec	
		1D	Code 11, Code 128, Code 39, Code32 (Italian Pharma Code) GS1-128 (UCC/EAN-128), AIM 128, ISBT 128, Codabar, Code 93, UPC-A/UPC-E, Coupon, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2/5, Matrix 2/5, Industrial 2/5, ITF-14, ITF-6, Standard 2/5, China Post 25, MSI-Plessey, Plessey, GS1 Databar, GS1 Composite	
	Resolution*	≥3mil (1D)		
	Typical Depth of Field*	EAN-13 (13mil): 0mm-140mm		
		EAN-13 (5mil): 50mm-90mm		
	Scan Mode	Advanced sense mode		
	Min. Symbol Contrast*	≥15% (Code 128 10mil)		
	Scan Angle**	Roll: 360°, Pitch: ±55°, Skew: ±50°		
	Motion Tolerance*	350cm/s		
	Field of View	Horizontal 42.4°, Vertical 36°		
Mechanical/	Interface	RS-232, USB		
Electrical	Operating Voltage	5 VDC±5%		
	Power Consumption	Operating	2W (typical), 2.5W (max.)	
		Standby	1.25W	
	Dimensions	149 (W)×78.5 (D)×166.5 (H)mm		
	Weight	448.3g		
	Notification	Beep, LED indicator		
Environmental	Operating Temperature	-20°C to 50°C		
	Storage Temperature	-40°C to 70°C		
	Humidity	5% to 95% (non-condensing)		
	ESD	±15 KV (air discharge); ±8 KV (direct discharge)		
	IP Level	52		
Certifications	FCC Part15 Class B, CE EMC Class B			
Accessories	Cable	USB	Used to connect the scanner 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.

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Newland Headquarter

Add: NO.1 Rujiang West Rd.,
Mawei, Fuzhou, Fujian 350015, China
Tel: +86 591 8397 9500
Email: info@nlscan.com
Web: www.newlandaidc.com

Newland APAC

Taiwan Tel: +886 2 7731 5388
Taiwan Email: info@newland-id.com.tw
Web: www.newland-id.com.tw
Japan Tel: +886 2 7731 5388 ext. 71
Korea Tel: +82 10 8990 4838
India Tel: +91 120 7964266
Japan/Korea/India Email: info@nlscan.com
Web: www.newlandaidc.com

Newland NALA

North America Tel: +1 510 490 3888
North America Email: info@nlscan.com
Latin America Tel: +1 239 598 0068
Latin America Email: info@newlandla.com
Web: www.newlandamerica.com

Newland EMEA

Tel: +31 (0) 345 87 00 33
Email: sales@newland-id.com
Tech Support: tech-support@newland-id.com
Web: www.newland-id.com

