NLS-FR80

Desktop Barcode Scanner

CMOS **1D** **2D** **USB**

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.

◘ Sound Effect & Volume keys

Sound effect and volume keys are provided for users to select one suitable for their application environment.

◘ 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.

www.newlanaidc.com

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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, Code 32 (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, Databar (RSS)
	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/ Electrical	Interface		RS-232, USB
	Operating Voltage		5 VDC±5%
	Power Consumption	Operating	2W (typical), 2.5W (max.)
		Standby	1.25W
	Dimensions		Without base: 151 (W)×141.5 (H) ×97.5 (D)mm
			With base: 151 (W)×156.5 (H)×108.5 (D)mm
	Weight		542g (without base), 678g (with base)
	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.
		Power Adapter	DC 5V power adapter to power the scanner.

*Test conditions: T=23℃; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance=(min. DOF + max. DOF)/2; T=23℃; Illumination=300lux using incandescent lamp;

2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.   Version: V1.1

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