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.

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SCANNING MADE SIMPLE

Performance	Image Sensor		1280 * 1088 CMOS
	Illumination		Red LED (614nm~624nm)
	Symbologies	2D	PDF417, QR Code, Data Matrix, Aztec
		1D	Code11, Code128, Code39, 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, Composite, GS1 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℃ to 50℃
	Storage Temperature		-40℃ to 70℃
	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: V1.0

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