



NLS-FR80

DESKTOP BARCODE SCANNER

FEATURES

- **Superior Scanning Performance**
Armed with Newland's sixth-generation of 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 come closer to the scan window, the scanner will conduct quick scanning.



CMOS



1D Barcode



2D Barcode



Retail

NLS-FR80

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), AIM128, 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	0mm-140mm (13mil)
	EAN-13	50mm-90mm (5mil)
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°

Physical

Interface		RS-232, USB
Operating Voltage		5VDC±5%
Rated Power Consumption	Operating	2W (typical), 2.5W (max.)
	Idle	1.25W
Current@5VDC	Operating	0.4A (typical), 0.5A (max.)
	Idle	0.25A
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 (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F-158°F)
Humidity	5% to 95% (non-condensing)
Ambient Light	0-100,000lux (natural light)
ESD	±15 KV (air discharge); ±8 KV (direct discharge)
Sealing	IP52

Certificates

Certificates	FCC Part15 Class B, CE EMC Class B, RoHS
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Accessories

Cable	USB	Used to connect the scanner to a host device.
Power Adapter		DC5V power adapter to power the scanner.

*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;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V12

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