



NLS-FR2080

DESKTOP BARCODE SCANNER

FEATURES

- **Snappy On-screen Barcode Capture**

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

- **Diffuse Illumination**

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**

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 Sensitivity**

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

- **Large Scan Window**

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



CMOS



1D Barcode



2D Barcode



USB



Retail

NLS-FR2080

Performance

Image Sensor		640 * 480 CMOS
Illumination		White LED
Symbologies	2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec
	ID	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
Screen Brightness		≥15%
Scan Angle**		Pitch: ±50°, Roll: 360°, Skew: ±45°
Field of View		Horizontal 69.5°, Vertical 54.8°
Min Symbol Contrast*		30%

Physical

Interface		USB
Operating Voltage		5VDC±5%
Rated Power Consumption		837.3mW
Current@5VDC	Operating	118.4mA (typical), 174.5mA (max.)
Dimensions		100.3(W)×120.3(D)×102.8(H)mm
Weight		296g
Notification		Beep, LED indicator

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)

Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B, RoHS
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*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: V1.1

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