

NLS-FR2080

Desktop Barcode Scanner



Features

■ Snappy On-screen Barcode Capture

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

■ Large Scan Window

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

■ Diffuse Illumination

The NLS-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

The NLS-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

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

Application Scenarios

Barcode-based payment, group purchase verification, customer service desks.

NLS-FR2080

SCANNING MADE SIMPLE

Desktop Barcode Scanner

| | | | | |
|---------------------|-------------------------|-----------------------|--|---|
| Performance | Image Sensor | | 640×480 CMOS | |
| | Illumination | | White LED | |
| | Symbologies | 2D | | PDF417, Data Matrix, QR Code, Micro QR Code, Aztec. |
| | | 1D | | 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 | |
| | Scan Angle** | | Pitch: ±50°, Roll: 360°, Skew: ±50° | |
| | Screen Brightness | | ≥15% | |
| | Field of View | | Horizontal 69.5°, Vertical 54.8° | |
| | Symbol Contrast* | | >30% | |
| Mechanical/ | Interfaces | | USB | |
| Electrical | Dimensions | | 100.3(W)×120.3(D)×102.8(H)mm | |
| | Weight | | 296g | |
| | Notification | | Beep, LED indicator | |
| | Rated Power Consumption | | 837.3mW | |
| | Operating Voltage | | 5VDC±5% | |
| | Current@5VDC | Operating | | 118.4mA (typical), 174.5mA (max.) |
| | 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) | |
| Certifications | | | FCC Part15 Class B, CE EMC Class B, RoHS | |
| Accessories | Cable | USB | Used to connect the NLS-FR2080 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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