

NLS-FM80

Fixed Mount Barcode Scanner



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.

■ 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.

NLS-FM80

OEM Scan Engine

SCANNING MADE SIMPLE

| | | | | |
|-----------------------|-------------------------|-----------|--------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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, 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, GS1 Composite |
| | 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* | | | 3.5m/s |
| | Field of View | | | Horizontal 42.4°, Vertical 36° |
| Mechanical/ | Interface | | RS-232, USB | |
| Electrical | Operating Voltage | | 5 VDC±5% | |
| | Power Consumption | Operating | 2000mW (typical), 2500mW (max.) | |
| | | Standby | 1250mW | |
| | Current | Operating | 400mA (typical), 500mA (max.) | |
| | | Standby | 250mA | |
| | Dimensions | | 149 (W)×78.5 (D)×166.5 (H)mm (max.) | |
| | Weight | | 448.3g | |
| | 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 to 158°F) | |
| | Humidity | | 5% to 95% (non-condensing) | |
| | ESD | | ±15 KV (air discharge); ±8 KV (direct discharge) | |
| | Sealing | | IP52 | |
| Certifications | | | FCC Part15 Class B, CE EMC Class B, RoHS | |
| Accessories | Cable | USB | Used to connect the scanner 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.

Version: V1.3