

NLS-FM100-M

Fixed Mount Barcode Scanner



Designed for OEM applications, this high performance fixed mount barcode scanner can easily be integrated into various solutions such as kiosks, ticketing machines, (reverse) vending machines and many more.

Product Features

- **Ease of integration**

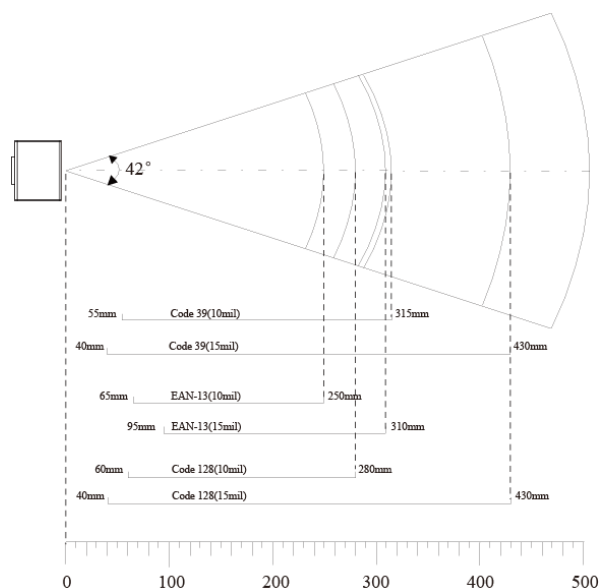
Compact and easy to integrate design. The small form factor enables easy integration into various solutions. The NLS-FM100-M has an IP54 rating meaning it is dust -and water resistant.

- **Advanced Technology**

Armed with core technology **UIMG[®]**, which is independently designed and manufactured by Newland Auto-ID.

UIMG[®] technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. The scanner supports all global standard 1D barcode symbologies. Its reading performance exceeds global standards. By using the accessories provided, the user can ideally set up the scanner to its user environment.

Decode Zone



NLS-FM100-M Specifications

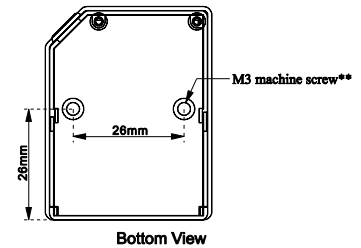
| Performance | | |
|------------------------------------|--|---|
| Image Sensor | Linear imager | |
| Resolution | 2500 | |
| Interface | RS232, USB 1.1 | |
| Symbologies | Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, UCC/EAN-128, GS1Databar, etc. | |
| Precision | ≥ 5mil(Condition: PCS=0.9, testing code: Code 39) | |
| Depth of Scan Field | 40mm-430mm | |
| Print Contrast Signal | ≥ 30% | |
| Sensitivity** | Pitch | ±65°@ 0°Roll and 0° Skew |
| | Roll | ±30°@ 0°Pitch and 0° Skew |
| | Skew | ±60°@ 0°Roll and 0° Pitch |
| Illumination | 0 ~ 100,000 LUX | |
| Light Source | LED(622 nm - 628 nm) | |
| Light Intensity | 265 LUX (130 mm) | |
| Mechanical/ Electrical | | |
| Power Consumption | 1.25W | |
| Voltage | DC 5 V | |
| Current | Max | 250 mA |
| | Working | 170mA |
| | Idle | 65mA |
| Dimensions | 49.0 *37.0 * 26.0 mm | |
| Weight | 70 g | |
| Environment | | |
| Operate Temperature | -5°C - +45°C | |
| Storage Temperature | -40°C - +60°C | |
| Humidity | 5% - 95% (non-condensing) | |
| Certificates | | |
| FCC Part15 Class B, CE EMC Class B | | |
| Accessories | | |
| Cable | RS232 Cable | Equipped with a power connector; used to connect the NLS- FM100-M to a host device. |
| | USB Cable | Used to connect the NLS-FM100-M to a host device. |
| Power Adapter | Used to provide power for the NLS-FM100-M. Output: DC 5V, 2A; Input: AC100~240V, 50~60HZ. | |

**Test Conditions:

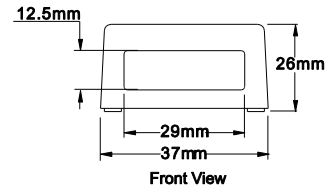
Code39: 3 Bytes ; Resolution = 10mil; W:N = 3:1 ; PCS = 0.8 ;

Barcode Height = 11mm; Distance = 120mm; T=23°C; Illumination= 200 LUX

Dimensions (Unit: mm)



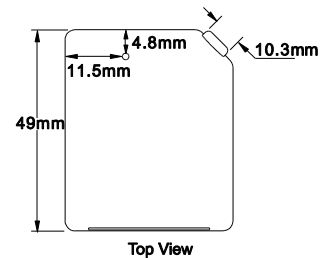
Bottom View



Front View



Back View



Top View

**Note: The length of the screw into FM100 must be less than 5 mm.

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