



NLS-FM100-M

FIXED MOUNT BARCODE SCANNER

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 ID 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.



CCD



ID Barcode



RS232



USB

NLS-FM100-M

Performance

Image Sensor	2500 Linear imager
Illumination	0 ~ 100,000 LUX
Symbologies	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN / ISSN, Code 93, UCC/EAN-128, GSI Databar, etc.
Precision	≥5mil (condition: PCS=0.9, testing code: Code 39)
Light Source	LED (622nm - 628nm)
Light Intensity	265 LUX (130mm)
Depth of Scan Field	40mm-430mm
Print Contrast Signal	≥30%
Scan Angle**	Roll: ±30°, Pitch: ±65°, Skew: ±60°

Physical

Interface	RS-232, USB 1.1
Power Consumption	1.25W
Voltage	DC 5V
Current	Operating 170mA (typical), 250mA (max.) Idle 65mA
Dimensions	37(W)×26(D)×49(H) mm
Weight	68g

Environmental

Operating Temperature	-5°C to 45°C (23°F to 113°F)
Storage Temperature	-40°C to 60°C (-40°F to 140°F)
Humidity	5% - 95% (non-condensing)

Certificates

Certificates & Protection	FCC Part 15 Class B, CE EMC Class B, RoHS
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Accessories

Cable	USB	Used to connect the NLS-FM100-M to a host device.
	RS-232	Equipped with a power connector; 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:

Code 39: 3 Bytes ; Resolution = 10mil; W:N = 3:1 ; PCS = 0.8 ;

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

Specifications are subject to change without notice.

Version: V1.3

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