



Newland AIDC
Scanning Made Simple



NLS-FM3080

FIXED MOUNT BARCODE SCANNER

FEATURES

- **Snappy On-screen Barcode Capture**

Armed with Newland's sixth-generation of **UIMG®** technology, this CPU-based scanner excels at reading on-screen barcodes containing large amounts of data.

- **Multiple Color Options for Good Read LED**

The NLS-FM3080 offers up to 4 color options to users to program its Good Read LED indicator to match the décor of the workplace.

- **Higher Resolution CMOS**

Compared with its predecessor, the NLS-FM3080 is able to capture higher resolution images with a 800x800 pixel CMOS sensor, promising to boost the scanning performance to a new level.

- **IR/Light Triggers**

The combination of IR sensor and light sensor exhibits an improved sensitivity in activating the scanner to scan barcodes as they are presented, to achieve higher throughput and productivity.

- **IP65-rated Sealing**

An IP65-rated seal renders the scanner impervious to dust, water and other contaminant.



1D Barcode



2D Barcode



USB



RS232



IP sealing

NLS-FM3080

Performance

Image Sensor		800 * 800 CMOS
Illumination		White LED
Symbologies	2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec, etc.
	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*		≥4mil
Scan Window		50mm×50mm
Scan Modes		Sense mode, Continuous mode
Min. Symbol Contrast*		25%
Scan Angle**		Roll: 360°, Pitch: ±40°, Skew: ±40°
Field of View		Horizontal 74°, Vertical 74°

Physical

Interface		RS-232, USB
Operating Voltage		5VDC±5%
Rated Power Consumption		869mW (typical)
Current@5VDC	Operating	185mA (typical), 193mA (max.)
Dimensions		67.7(W)×47.5(D)×78.7(H)mm (max.)
Weight		132g
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		±15 KV (air discharge); ±8 KV (direct discharge)
Sealing		IP65

Certificates

Certificates & Protection		FCC Part15 Class B, CE EMC Class B, RoHS
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Accessories

Cable	USB	Used to connect the scanner to a host device.
	RS-232	Used to connect the scanner to a host device.
Power Adapter		DC5V power adapter to provide power for the scanner with RS-232 cable.

*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;

2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.3