



# 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
---------------------------	--

## 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

### Newland AIDC

Add: No.1 Rujiang West Rd.,  
Mawei, Fuzhou, Fujian 350001, China  
Tel: +86-591-83979500  
Fax: +86-591-83979216  
Email: info@nlsan.com  
Web: www.newlandaidc.com

### North America&Latin America

Add: 46559 Fremont Blvd.,  
Fremont, CA 94538, USA  
Tel: +1 510 490 3888  
Fax: +1 510 490 3887  
Email: info@nlsan.com  
Web: www.newlandamerica.com

### Europe & Middle East

Add: Rolweg 25, 4104 AV Culemborg,  
The Netherlands  
Tel: +31 (0) 345 87 00 33  
Email: sales@newland-id.com  
Tech Support: tech-support@newland-id.com  
Web: www.newland-id.com

### Asia Pacific

Taiwan:  
Add: 7F-6, No. 268, Liancheng Rd.,  
Jhonghe Dist. 235, New Taipei City, Taiwan  
Tel: +886 2 7731 5388  
Email: info@newland-id.com.tw