NLS-FM3080

Fixed Mount Barcode Scanner

CMOS | **1D** | **2D**

USB | **RS-232** | **IR**

IP65

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.

▣ **IP65-rated Sealing**

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

▣ **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.

Application Scenarios

Barcode-based payment, group purchase verification, customer service desks.

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Fixed Mount Barcode Scanner

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
	Scan Angle**		Pitch: ±40°, Roll: 360°, Skew: ±40°
	Field of View		Horizontal 74°,　Vertical 74°
	Min. Symbol Contrast*		25%
Mechanical/ Electrical	Interfaces		RS-232, USB
	Dimensions		78.7(W)×67.7(D)×47.5(H)mm (max.)
	Weight		132g
	Notification		Beep, LED indicator
	Rated Power Consumption		869mW (typical)
	Operating Voltage		5VDC±5%
	Current@5VDC	Operating	185mA (typical), 193mA (max.)
Environmental	Operating Temperature		-20℃ to 60℃ (-4℉ to 140℉)
	Storage Temperature		-40℃ to 70℃ (-40℉ to 158℉)
	Humidity		5%~95% (non-condensing)
	ESD		±15 KV (air discharge);　±8 KV (direct discharge)
	Sealing		IP65
Certifications			FCC Part15 Class B, CE EMC Class B
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℃: Illumination=300lux using incandescent lamp: sample barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2: T=23℃: Illumination=300lux using incandescent lamp:

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

Specifications are subject to change without notice.　　　　　　　　　　　　　　　　　　　　　　　　　　Version: V1.0

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