Newland AIDC
Scanning Made Simple

NLS-FM305X-2X

FIXED MOUNT BARCODE SCANNER

FEATURES

○ **Snappy On-screen Barcode Capture**

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

○ **IR Trigger**

The IR sensor in the scanner exhibits an improved sensibility in activating the scanner to scan barcodes as they are presented, markedly increasing throughput and productivity.

○ **Durable Metal Housing**

The scanner uses a durable metal housing, making it ideal for self-service applications.

○ **Outstanding Power Efficiency**

The advanced **NLDC** technology incorporated in the scanner helps reduce the power consumption and prolong the service life of the device..

| CMOS | 1D Barcode | 2D Barcode | RS232 | USB |

NLS-FM305X-2X

Performance

		NLS-FM3056-2X	NLS-FM3051-2X
Image Sensor		752*480 CMOS	
Illumination		White LED	
Symbologies	2D	PDF417, Data Matrix, QR Code, Aztec, Micro QR	
	1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128 (FNC1, FNC2, FNC3), Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39 (Code 39 FULL ASCII), Code 11, MSI-Plessey, Plessey, GS1-128 (UCC/EAN-128), AIM 128	
Resolution*		≥5mil	
Scan Mode		Sense mode, Continuous mode	
Scan Angle**		Roll: 360º, Pitch: ±40º, Skew: ±40º	
Min. Symbol Contrast*		25%	
Scan Window		31.5mm×46.5mm	38.3mm×60.4mm
Field of View		Horizontal: 75º, Vertical: 50º	

Physical

Interface		RS-232, USB	
Operating Voltage		5VDC±5%	
Rated Power Consumption		572mW (typical)	
Current@5VDC	Operating	115mA (typical), 198mA (max.)	
Dimensions		78.7(W)×67.7(D)×53(H)mm (max.)	78.7(W)×67.7(D)×62.5(H)mm (max.)
Weight		168g	184g
Notification		Beeper	

Environmental

Operating Temperature	-20℃ to 60℃ (-4ºF to 140ºF)
Storage Temperature	-40℃ to 70℃(-4ºF to 158ºF)
Humidity	5% to 95% (non-condensing)
ESD	±8 KV (air discharge); ±4 KV (direct discharge)

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℃; Illumination=300lux using incandescent lamp; sample printed barcodes made by Newland.

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

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

Specifications are subject to change without notice.   Version: V12

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