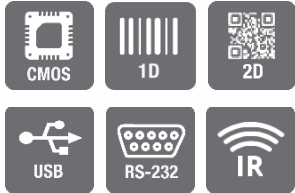# NLS-FM305X-2X

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.

Outstanding Power Efficiency

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

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.

Application Scenarios

Self-service cabinets used in e-commerce, express delivery services and smart homes; barrier gates; O2O applications.

NLS-FM305X-2X

SCANNING MADE SIMPLE

Fixed Mount Barcode Scanner

		NLS-FM3056-2X	NLS-FM3051-2X
Performance	Image Sensor	752*480 CMOS	
	Illumination	White LED	
	Symbologies	2D: PDF417, Data Matrix, QR Code, Chinese Sensible Code. 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 11, MSI-Plessey, Plessey	
	Resolution*	≥5mil	
	Scan Mode	Sense mode, Continuous mode	
	Scan Angle**	Pitch: ±40°, Roll: 360°, Skew: ±40°	
	Scan Window	31.5mm×46.5mm	38.3mm×60.4mm
	Field of View	Horizontal: 75°, Vertical: 50°	
	Min. Symbol Contrast*	25%	
	Interface	RS-232, USB	
Physical/ Electric	Dimensions	78.7(W)×67.7(D)×53(H)mm (max.)	78.7(W)×67.7(D)×62.5(H)mm (max.)
	Weight	173g	195g
	Notification	Beep	
	Rated Power Consumption	534mW (typical)	
	Operating Voltage	5VDC±5%	
	Current@5VDC	Operating Current: 108mA (typical), 114mA (max.)	
Environmental	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
	Storage Temperature	-40°C to 70°C(-4°F to 158°F)	
	Humidity	5% to 95% (non-condensing)	
	ESD	±8 KV (air discharge); ±4 KV (direct discharge)	
Certifications		FCC Part15 Class B, CE EMC Class B	
Accessories	Cable	USB cable: Used to connect the scanner to a host device. RS-232 cable: 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

Newland