



NLS-FM60

FIXED MOUNT BARCODE SCANNER

FEATURES

- **Superior Scanning Performance**

Armed with Newland's UIMG® technology, this scanner can scan 1D and 2D barcodes and delivers stunning performance on decoding the wrinkled, reflective and curved barcodes.

- **High Motion Tolerance**

With 2m/s motion tolerance, the scanner can quickly capture moving goods, which greatly enhances efficiency.

- **Wide-viewing Angle**

Featuring wide-viewing angle, the scanner will conduct quick scanning when goods come closer to the scan window.

- **Multiple Status indicators**

6 kinds of status indicators show current working status of the scanner, including decoding, configuration, communication and abnormal status.



CMOS



1D Barcode



2D Barcode



USB



RS232



IP 52

NLS-FM60

Performance

Image Sensor		1280 * 800 CMOS
Illumination		3000K White LED
Symbologies	2D	QR Code, PDF417, Data Matrix, Aztec
	1D	Code 11, Code 128, Code 39, GSI-128 (UCC/EAN-128) , AIM 128, ISBT 128, Codabar, Code 93, UPC-A/UPC-E, Coupon, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2/5, Matrix 2/5, Industrial 2/5, ITF-14, ITF-6, Standard 2/5, China Post 25, MSI-Plessey, Plessey, GSI Databar, GSI Composite, Databar (RSS)
Resolution*		≥4mil (1D)
Typical Depth of Field*	EAN-13	0mm-150mm (13mil)
	QR Code	0mm-100mm (15mil)
Min. Symbol Contrast*		25% (Code 128 10mil)
Scan Mode		Advanced sense mode
Scan Angle**		Roll: 360°, Pitch: ±55°, Skew: ±50°
Field of View		Horizontal 65.6°, Vertical 44.6°
Motion Tolerance*		> 2m/s

Physical

Interface		RS-232, USB
Operating Voltage		5VDC±5%
Current@5VDC	Operating	275mA (typical), 365mA (max)
	Idle	228mA
Dimensions		114 (W)×46 (H) ×94 (D)mm (max.)
Weight		145g
Notification		Beep, LED

Environmental

Operating Temperature	-20°C to 50°C (-4°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5% to 95% (non-condensing)
Sealing	IP52

Certificates

Certificates & Protection	FCC Part 15 Class B, CE EMC Class B, RoHS
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Accessories

Cable	USB	Used to connect the scanner to a host device.
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*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: V11

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