



NLS-FM60

FIXED MOUNT BARCODE SCANNER

FEATURES

○ Superior Scanning Performance

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

○ Powerful OCR Recognition Capability

Equipped with advanced OCR technology, the scanner is ideal for applications requiring accurate data capture from IDs and documents. It instantly scans and extracts text with high accuracy.

○ Advanced Multi-core Processing Platform

Integrated with a multi-core processing platform, the NLS-FM60 offers powerful computing capabilities, ensuring faster and more stable decoding performance.

○ Multiple Status Indicators

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

○ Wide-viewing Angle

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

○ High Motion Tolerance

With high motion tolerance, the scanner can quickly capture moving goods, which greatly enhances efficiency.



CMOS



1D Barcode



2D Barcode



OCR



USB



RS232



IP Sealing

NLS-FM60

Performance

Image Sensor		1280 * 800 CMOS
Illumination		5000K White LED
Symbologies	1D	Code 128, EAN-8, EAN-13, UPC-E, UPC-A, Coupon, Interleaved 2/5, ITF-14, ITF-6, Matrix 2/5, Code 39, Codabar, Code 93, China Post 2/5, UCC/EAN-128, GSI Databar, GSI Composite, Code 11, ISBN, ISSN, Industrial 2/5, Standard 2/5, Plessey, MSI-Plessey, AIM 128, ISBT 128, Code 49, Code 16K, Deunsch14, Deutsch12
	2D	PDF417, Micro PDF417, QR / Micro QR, DataMatrix, Aztec, Chinese Sensible Code, Maxicode, GridMatrix, Code One, DotCode
	Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX, Australian Postal, Japanese Post
	OCR	Passport OCR, Chinese ID Card, China Travel Permit OCR
	Digimarc	Digital watermark technology
Resolution ¹		≥4mil (1D)
Typical Depth of Field ¹	EAN-13	0mm-180mm (13mil)
	QR Code	0mm-130mm (15mil)
Min. Symbol Contrast ²		25% (Code 128 10mil)
Scan Angle ²		Roll: 360°, Pitch: ±55°, Skew: ±50°
Field of View		Horizontal 65.6°, Vertical 44.6°

Physical

Interface		RS-232, USB
Operating Voltage		5-12 VDC±5%
Current@5VDC ³	Operating	195.8mA (typical), 407mA (max.)
	Idle	120mA
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
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Accessories

Cable	USB	Used to connect the scanner to a host device.
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¹ Depth of Field: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

² Scan Angle: Scan Distance=(min. DOF + max. DOF)/2; 2D: QR Code; PCS=1; sample barcodes made by Newland.

³ Operating Current: Scan Distance=(min. DOF + max. DOF)/2; test in the normal mode

Specifications are subject to change without notice.

Version: V2.0

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