



Newland AIDC
Scanning Made Simple



NLS-FR4070

DESKTOP BARCODE SCANNER

FEATURES

○ Superior Scanning Performance

Equipped with Newland's self-developed decoding technology **UIMC**[®], NLS-FR4070 delivers fast and accurate reading of various barcodes, including retail barcodes, mobile payment codes, digital coupons and e-tickets. It remains reliable and stable even under long-term, high-frequency use.

○ Large Scan Window

Large scan window meets demands of goods with different sizes. When goods come closer to the scan window, the scanner will conduct quick scanning.

○ Modern and Stylish Design

Featuring a sleek new design, the device blends seamlessly into modern retail stores and supermarkets.

○ Flexible Adjustable Scan Angle

The scanner head can be tilted to the preferred angle, providing greater flexibility for different counter layouts and scanning applications.

○ Hands-Free Operation

Compact and sleek, the device is ideal for hands-free scanning at checkout counters and ticketing stations, helping improve workflow efficiency.



CMOS



1D Barcode



2D Barcode



USB



Drop



IP Sealing



Retail

NLS-FR4070

Performance

Image Sensor		640×480 CMOS
Illumination		White LED
Symbologies	1D	Code 11, Code 128, Code 39,GSI-128, AMI 128,Codabar,Code 93, UPC-A, UPC-E, EAN-13, EAN-8, ISSN, ISBN, Interleaved 2 of 5, Matrix 2 of 5, Industrial 2 of 5,ITF-14, ITF-6, Standard 2 of 5, MSI-Plessey, Plessey,GSI Databar, etc.
	2D	PDF417, QR Code, Data Matrix, Micro QR , etc.
Resolution*		≥3mil(1D)
Typical Depth of Field*	EAN-13	0-210mm (13mil)
	QR Code	0-100mm (15mil)
Motion Tolerance*		1m/s
Scan Angle**		Roll: 360°, Pitch: ±45°, Skew: ±45°
Field of View		Horizontal 55.2°, Vertical 41.4°
Min Symbol Contrast*		25%

Physical

Interface		USB
Operating Voltage		5VDC±5%
Rated Power Consumption		500mW (typical)
Current@5VDC	Operating	100mA (typical), 110mA (max.)
	Idle	75mA
Dimensions		82.9(W)×80.4(D)×144.6(H)mm
Weight		292g
Notification		Beep, LED

Environmental

Operating Temperature	-20°C to 60°C (-4°F to 140°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5%-95% (non-condensing)
ESD	±14 KV (air discharge); ±8 KV (direct discharge)
Drop	1.2m drops to concrete (for six sides, one drop per side)
Sealing	IP52

*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=30mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.0

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