



Newland AIDC
Scanning Made Simple



NLS-FR27

FIXED MOUNT BARCODE SCANNER

FEATURES

○ World-leading **UIMG[®]** Technology

Armed with Newland's latest-generation **UIMG[®]** technology, FR27 can decode even poorer quality barcodes, such as soiled or wrinkled labels, with ease.

○ Space-saving Scanner

Thanks to its lightweight, compact design, FR27 can be conveniently positioned on a small narrow desk, a store shelf or at customer retail points where counter space is at a premium.

○ Snappy On-screen Barcode Capture

Optimized for digital barcode reading, this CPU-based scanner is capable of reading ID as well as high-volume 2D barcodes on a screen covered with protective film.

○ Superior Motion Tolerance

Exceptional motion tolerance (2.7m/s) and large FOV (horizontal 68°, vertical 51°) enhance user experience.



CMOS



1D Barcode



2D Barcode



Postal



Drop



IP sealing



USB



Retail

NLS-FR27

Performance

Image Sensor		640 * 480 CMOS
Illumination		White LED
Symbologies	2D	QR Code, Micro QR Code, PDF 417, Micro PDF 417, Data Matrix, Aztec, Maxicode, GM Code, Chinese Sensible Code, GM Code, Code One.
	ID	EAN-8, EAN-13, UPC-E, UPC-A, Code 128, Coupon, UCC/EAN128, Interleaved 2 of 5, Febraban, ITF-14, ITF-6, Matrix 2 of 5, CodaBar, Code 39, Code 93, ISSN, ISBN, Industrial 25, Standard 25, Plessey, Code11, MSI-Plessey, UCC/EAN Composite, GSI Databar, AIM 128, ISBT 128, Code 49, Code 16K.
	Postal	USPS Postnet, USPS Intelligent Mail, Royal Mail, USPS Planet, KIX Post, Australian Postal.
Resolution*		≥5mil
Typical Depth of Field*	EAN-13	20mm-105mm (13mil)
	PDF417	30mm-40mm (6.7mil)
	Data Matrix	30mm-45mm (10mil)
	QR Code	0mm-85mm (15mil)
Scan Mode		Sense mode, Continuous mode
Min. Symbol Contrast*		20%
Scan Angle**		Roll: 360°, Pitch: ±75°, Skew: ±75°
Motion Tolerance*		2.7m/s
Field of View		Horizontal 68°, Vertical 51°, Diagonal 84.8°

Physical

Interface		USB
Operating Voltage		5VDC±5%
Rated Power Consumption		698mW (typical)
Current@5VDC	Operating	140mA (typical)
	Idle	100mA (typical)
Dimensions		66.3(W) × 76.3(D) × 38(H) mm (max.)
Weight		120g

Environmenta

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% to 95% (non-condensing)
Ambient Light	0-100,000lux (natural light)
ESD	±12 KV (air discharge); ±8 KV (direct discharge)
Drop	1.5m
Sealing	IP42

Certificates

Certificates & Protection	VCCI, RoHS, CE, FCC, RoHS
---------------------------	---------------------------

*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;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version: V1.4

Newland AIDC

Add: No.1 Rujiang West Rd.,
Mawei, Fuzhou, Fujian 350001, China
Tel: +86-591-83979500
Fax: +86-591-83979216
Email: info@nlsan.com
Web: www.newlandaidc.com

North America&Latin America

Add: 46559 Fremont Blvd.,
Fremont, CA 94538, USA
Tel: +1 510 490 3888
Fax: +1 510 490 3887
Email: info@nlsan.com
Web: www.newlandamerica.com

Europe & Middle East

Add: Rolweg 25, 4104 AV Culemborg,
The Netherlands
Tel: +31 (0) 345 87 00 33
Email: sales@newland-id.com
Tech Support: tech-support@newland-id.com
Web: www.newland-id.com

Asia Pacific

Taiwan:
Add: 7F-6, No. 268, Liancheng Rd.,
Zhonghe Dist. 235, New Taipei City, Taiwan
Tel: +886 2 7731 5388
Email: info@newland-id.com.tw