



# NLS-FR22

## DESKTOP BARCODE SCANNER

### FEATURES

- **Superior Decoding Performance**

Armed with Newland's six generation **UIMG®** technology, this CPU-based scanner is capable of reading 1D as well as high-volume 2D barcodes on a screen covered with protective film.

- **Space-saving Scanner**

Thanks to its lightweight, compact design, FR22 can be conveniently positioned on a small narrow desk, a store shelf or at customer retail points where counter space is at a premium.

- **Three Color LEDs**

The FR22 can feedback the the decode result via different LED. It is user freindly

- **Snappy Appearances**

The snappy appearances is suitable for cashier counters in stores and supermarkets



CMOS



1D Barcode



2D Barcode



USB



Retail

# NLS-FR22

## Performance

Image Sensor		640 * 480 CMOS
Illumination		White LED
Symbologies	2D	PDF417, Data Matrix, QR Code, Micro QR Code
	ID	Code 11, Code 128, Code 39, GS1-128(UCC/EAN-128), AM 128, Codabar, Code93, UPC-A, UPC-E, EAN-8, EAN-13, ISSN, ISBN, Industrial 2 of 5, Matrix 2 of 5, Interleaved 2 of 5, ITF-6, ITF-14, Standard 2 of 5, MSI-Plessey, Plessey, GS1 Databar
Resolution*		≥3mil
Typical Depth of Field*	QR Code	45-200mm4.7 (inch)
Min. Symbol Contrast*		30%
Scan Angle**		Roll: 360°, Pitch: ±55°, Skew: ±55°
Field of View		Horizontal 70.3°, Vertical 55.7°

## Physical

Interface		USB
Operating Voltage		5VDC±5%
Rated Power Consumption		138.5mA (typical)
Current@5VDC	Operating	297.2mA (typical)
Dimensions		80(W)×80(D)×68(H)mm
Weight		140g

## 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		±8 KV (air discharge); ±4 KV (direct discharge)

## Certificates

Certificates & Protection	CE/FCC/RoHS/IEC62471
---------------------------	----------------------

\*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: V2.0

### Newland AIDC

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

### Asia Pacific

Add: 6 Raffles Quay #14-06  
Singapore 048582  
Email: info@newlandaidc.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

### North America & Latin America

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