



# NLS-FR4080

## DESKTOP BARCODE SCANNER

### FEATURES

○ **Seamless reading**

More convenient. Reads paper barcode and screen barcodes seamlessly without switching

○ **IP52-rated Sealing**

An IP52-rated seal protects the scanner against the ingress of dust, water and other contaminants

○ **AI-powered Decoding Performance**

Features an upgraded dual-core processing platform that enhances computing capability and efficiency, enabling faster, more stable decoding with lower power consumption.

○ **1.2m Drop Resistance**

The scanner withstands multiple 1.2m drops to concrete (for six sides, one drop per side).

○ **IR Trigger**

The IR sensor in the scanner enables speedy capture of barcodes presented to it, markedly increasing throughput and productivity.



CMOS



1D Barcode



2D Barcode



USB



RS232



IR



Retail

# NLS-FR4080

## Performance

Image Sensor		1280×800 CMOS
Illumination		White LED
Symbologies	2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec, etc.
	1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128, Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 25, Standard 25, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.
Resolution*		≥3mil
Typical Depth of Field*	EAN-13	10-280mm (13mil)
	QR Code	10-190mm (15mil)
Scan Angle**		Pitch: ±50°, Roll: 360°, Skew: ±50°
Field of View		Horizontal 51°, Vertical 32°
Min Symbol Contrast*		25%

## Physical

Interface		RS-232, USB
Operating Voltage		5VDC±5%
Rated Power Consumption		1375mW (typical)
Current@5VDC	Operating	275mA (typical)
Dimensions		83(W)×81(D)×148(H)mm
Weight		290g
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

## Certificates

Certificates & Protection	FCC Part15 Class B, CE EMC Class B, RoHS
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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;

ID: EAN-13 (13mil).

Specifications are subject to change without notice.

Version:2.0

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