

NLS-FR4050

Desktop Barcode Scanner



The FR4050 desktop barcode scanner is capable of reading 1D/2D barcodes printed on paper or displayed on LCD screen and supports RS-232 and USB interfaces. Delivering superior performance and outstanding durability at an affordable price, this scanner provides an ideal solution for supermarkets, shopping malls, warehouses and other environments.

Features

- Demonstrates speedy scanning and accurate decoding on moving barcodes, including 1D, 2D and PDF417.
- Handheld and hands-free modes: Scan bulky items continuously without the need for unnecessary heavy lifting by checkout personnel.
- Omnidirectional scanning improves productivity by eliminating the need to align scanner and barcode.
- Unsurpassed readability on barcodes on the screen of smartphone or tablet using auto-brightness.
- Supports RS-232/USB interfaces.

Depth of Field

Symbology	Barcode Density	Depth of Field (mm)
Code 39	5mil	10~100
UPC-A	13mil	0~250
PDF417	6.67mil	0~80
Data Matrix	10mil	10~90
QR	15mil	10~150

NLS-FR4050 Specifications

Performance

Image Sensor	CMOS		
Pixels	752x480		
Symbologies	2D	PDF417, QR Code (Model 1/2), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Aztec, Maxicode, etc.	
	1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN, Code 93, UCC/EAN-128, GS1 Databar, etc.	
Precision	≥ 5mil		
Scan Angle**	Pitch	±60° @ 0° Roll and 0° Skew	
	Roll	360° @ 0° Pitch and 0° Skew	
	Skew	±55° @ 0° Roll and 0° Pitch	
Motion Tolerance	2m/s		
Minimum Symbol Contrast	25%		
Interface	RS-232, USB		

Physical

Dimensions (L x W x H)	83x81x148mm		
Weight	268g		
Notification	Beep, LED		
Power Adapter	Output: DC 5V, 1.5A Input: AC 100 ~ 240V, 50~60Hz		
Current	Operating Current	350mA	
	Standby Current	70mA	
	Sleep Current	5mA	

Environmental

Operating Temperature	-20°C ~50°C (-4°F ~ 122°F)
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)
Humidity	5% ~ 95% (non-condensing)
ESD	±8KV (Contact discharge); ±14KV(Air discharge)
Drop	1.2m
Sealing	IP50

Certifications

FCC Part15 Class B, CE EMC Class B

**Test conditions:

Code39, 3 Bytes; Resolution=10mil; W:N= 3:1; PCS=0.8; Barcode Height=11mm; Scan Distance=120mm; T=23°C; Illumination=200 LUX

Contact Us

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