



Your company's logo.

FR21 Neon
desktop scanner



The label will be included in the package in the instance that you do not use your company logo.

FEATURES

Customer-facing scanning solution.

First time, every time scanning of 1D and 2D barcodes from an LCD screen. The FR21 Neon was built to create an optimal customer experience at the POS. It scans quickly and easily, even for the most inexperienced user, making it an ideal solution for applications like Mobile Payment, Customer Loyalty and Ticket Verification.

Suits your POS perfectly.

The FR21 Neon is designed as a modern and attractive device that you can fully adjust to your brand and POS. Its compact size makes it ideal for positioning on a small desk, a store shelf or at the counter, where space is crucial. For added flexibility, the scanning head can be tilted up to 35° to accommodate objects of various shapes and sizes.

Subtle, modest illumination.

The FR21 Neon is equipped with a subtle, white light that optimizes the scanning performance without drawing unnecessary attention when faced outwards.

Additionally, the depth of field helps customers scan quickly without causing the device to light up unnecessarily.

Customize for your brand.

It is easy and affordable to match the FR21 Neon to your brand. The fully flat front lends itself to simple cover designs and the round window (diameter 2.8 cm) underneath the scanner has LED lighting behind it, providing extra visibility for a company logo placed over it. This allows you to customize and change up the look of the device, even for small quantities.

For large order quantities, the color of the full desktop scanner can be adjusted for further customization.



FR21 Neon desktop scanner in black.

Application Scenarios

Mobile payments • customer loyalty programs • group purchase verifications • customer service desks.

Performance	Image Sensor	640×480 CMOS		
	Illumination	White LED		
	Symbologies	2D	PDF417, Data Matrix, QR Code, Chinese Sensible Code.	
		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 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.	
	Scan Mode	Sense mode, Continuous mode		
	Resolution*	≥5mil		
	Scan Angle**	Pitch: ±30°, Roll: 360°, Skew: ±30°		
	Min. Symbol Contrast*	25%		
	Field of View	Horizontal 73°, Vertical 56°		
	Mechanical/ Electrical	Interfaces	RS-232, USB	
Dimensions		70.5(W)×60.2(D)×120.7(H)mm		
Weight		242g		
Notification		Beep		
Operating Voltage		5VDC±5%		
Current@5VDC		Operating	127.3mA (typical), 280.7mA (max.)	
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	±12 KV (air discharge); ±6 KV (direct discharge)		
	Drop	1.2m		
	Sealing	IP50		
Certifications	FCC Part15 Class B, CE EMC Class B, RoHS, IEC/EN 62471			
Accessories	Cable	USB	Used to connect the FR21 to a host device.	
		RS-232	Used to connect the FR21 to a host device.	
	Power Adapter	DC5V power adapter to power the FR21 with RS-232 cable.		

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

Version: V1.0

**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.

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