



FR21 Neon
stationary scanners

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.



Application Scenarios



mobile payment



point of sale



retail



self service



ticketing

FR21 Neon technical specifications

Performance	Processor	0390 Chip+MCU
	Image Sensor	CMOS 640*480
	Illumination	White LED
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Scan Angle Pitch	±30°
	Scan Angle Skew	±30°
	Field of View Horizontal	73°
	Field of View Vertical	56°
	Scan Modes	Sense Mode, Continuous Mode
Scan Rate	60 frames per second	
Data capture	1D	Code 128, EAN-13, EAN-8, Code 39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ITF-6, ITF-14, ISBN, Code 93, UCC/EAN-128, GS1 Databar, Matrix 2 of 5, Code 11, Industrial 2 of 5, Standard 2 of 5, Plessey, MSI-Plessey, etc.
	2D	PDF417, QR Code (QR1/2, Micro), Data Matrix (ECC200, ECC000, 050, 080, 100, 140), Chinese Sensible Code
Physical	Dimensions (mm)	70.5(W)×60.2(D)×120.7(H)mm
	Weight	242g
	Material	ABS
	Interfaces	RS-232, USB
	Notifications	Beep
	Input Voltage	5VDC ± 5%
	Current @ 5VDC	127.3mA(typical), 280.7mA(max.)
	Operating	
	Power Supply Input	DC5V, 1.5A
Power Supply Output	AC100~240V, 50~60Hz	
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)
	Electro Static Discharge (ESD)	±12 kV (air discharge), ±6 kV (direct discharge)
	Drop	1.2m
	Sealing	IP50
Accessories	Optional	RS232 Cable, Adapter
	Standard	USB Cable
Device Management	Software	EasySet (configuration)
Certifications	Certifications	FCC Part15 Class B, CE EMC Class B
Warranty	Warranty	5 years