

FR4080U

Desktop Barcode Scanner



Features

■ Quick to Switch Mode

The Switch at the top of the scanner allows users to swiftly toggle between the Normal mode and High Motion Tolerance mode.

■ Superior Motion Tolerance

Exceptional motion tolerance (2.5m/s) and large FOV (horizontal 51°, vertical 32°) enhance user experience.

■ IP52-rated Sealing

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

■ Snappy On-screen Barcode Capture

Armed with Newland's sixth-generation of **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.

■ 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.

Application Scenarios

Cashier counters in department stores/supermarkets/convenience stores, ticket validation, customer service desks, O2O applications, etc.

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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		10-210mm (13mil)
		QR Code		10-180mm (15mil)
	Motion Tolerance*			2.5m/s
	Scan Angle**			Pitch: ±50°, Roll: 360°, Skew: ±45°
	Field of View			Horizontal 51°, Vertical 32°
Min. Symbol Contrast			25%	
Mechanical/ Electrical	Interfaces		RS-232, USB	
	Dimensions		83(W)×81(D)×148(H)mm	
	Weight		293g	
	Notification		Beep, LED indicator	
	Rated Power Consumption		1041mW (typical)	
	Operating Voltage		5VDC±5%	
	Current@5VDC	Operating		219mA (typical)
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	
Certifications			FCC Part15 Class B, CE EMC Class B	
Accessories	Cable	USB	Used to connect the scanner to a host device.	
		RS-232	Used to connect the scanner to a host device.	
	Power Adapter		DC5V power adapter to provide power for the scanner with RS-232 cable.	

*Test conditions: T=23°C; Illumination=300lux using incandescent lamp; sample 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: V1.1

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