

FR4050 Koi

Fixed Mount Barcode Scanner



Features

◆ Quick to switch mode.

The Scan Mode Switch at the top of the scanner allows users to swiftly toggle between the Regular and Screen modes.

◆ Superior motion tolerance.

Exceptional motion tolerance (2m/s) and large FOV (46°) enhance user experience.

◆ IP50 rated sealing.

An IP50-rated seal renders the scanner impervious to dust, water and other contaminant.

◆ Superb reading performance.

Armed with Newland's fifth-generation of UIMG technology, the FR4050 Koi is capable of reading 1D as well as high-volume 2D barcodes on the screen on smartphone or tablet using auto-brightness.

◆ 1.2m drop resistance.

The scanner withstands multiple 1.2m drops to concrete (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

Pharmacy, cosmetics and drug stores, smaller sized grocery stores, tobacco kiosks, O2O and more.

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Performance	Image Sensor		CMOS
	Pixels		752*480 CMOS
	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.
	Resolution		≥5mil
	Motion Tolerance		2m/s
	Scan Angle**	Pitch	±60°@ 0°Roll and 0° Skew
		Roll	±360°@ 0°Pitch and 0° Skew
		Skew	±55°@ 0°Roll and 0° Pitch
	Symbol Contrast		≥25%
Interface		RS-232, USB	
Physical	Dimensions (L×W×H)		83×81×148mm
	Weight		292g
	Notification		Beep, LED indicator
	Current	Operating	350mA
		Standby	70mA
Environmental	Operating Temperature		-20°C~50°C
	Storage Temperature		-40°C~70°C
	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		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

Specifications are subject to change without notice.

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