



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 highvolume 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.

FR4050 Koi

fixed mount barcode scanner

newland-id.com

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.

Newland EMEA HQ
+31 (0) 345 87 00 33
info@newland-id.com
newland-id.com

D-A-C-H
+49 (6) 182 82916-16
info@newland-id.de

United Kingdom
+44 (0) 1442 212020
sales@newland-id.co.uk

France
+39 (0) 345 8804096
france@newland-id.com

Russia
+31 (0) 345 87 00 33
russia@newland-id.com

Benelux
+31 (0) 345 87 00 33
benelux@newland-id.com

Turkey
+90 (0) 544 538 40 49
turkey@newland-id.com

Ibérica
+34 (0) 93 303 74 66
info@newland-id.es

Middle East
+39 (0) 345 8804096
middleeast@newland-id.com

Italy
+39 (0) 342 0562227
italy@newland-id.com

South Africa
Gauteng: +27 (0) 11 553 8010
Cape Town: +27 (0) 21 9140819
info@newland-id.co.za

Nordic & Baltic
+46 (0) 70 88 47 767
nordic@newland-id.com

Iran
+90 (0) 544 538 40 49
iran@newland-id.com