![Newland logo](SCANNING MADE SIMPLE)

1D | 2D | CMOS mega pixel

USB | RS232 | IR

1.2M DROP | IP52

FR4080 Koi II
presentation scanner

FEATURES

First megapixel presentation scanner.

At the top of the line, the FR4080 Koi II reads 1D and 2D barcodes, including Aztec, with speed and accuracy. It is the first presentation scanner on the market that includes a megapixel camera and is capable of reading even the most complex codes. This makes it the perfect solution for applications like POS systems in retail and pharmacy, ticket verification and more.

Unmatched flexibility.

With a switch to toggle between paper and screen mode, the FR4080 Koi II is ready for any barcode that it is presented with. This added flexibility, leaves this hardware unaffected.

Comfortable Illumination.

With a 10° angle and soft illumination, the FR4080 Koi II guarantees comfort to both customers and employees. When facing outwards, the illumination will not draw unnecessary attention.

IP52 rated sealing.

With an IP52 rated seal, the FR4080 Koi II is protected against dust, water and other contaminants.

1.2 drop resistance.

The FR4080 Koi II withstands multiple 1.2m drops to concrete (six sides, one drop per side).

IR trigger.

The IR sensor in the FR4080 Koi II enables the speedy capture of any barcode presented to it, markedly increasing output and productivity.

FR4080 Koi II presentation scanner in white.

Application Scenarios

POS terminals • customer service desk • pharmacy • ticket validation • O2O.

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 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar, Code 39, Code 11, MSI-Plessey, Plessey, etc.
	Resolution*		≥3mil
	Typical Depth of Field*	EAN-13	5-195mm (13mil)
		QR Code	5-165mm (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℃ to 60℃ (-4°F to 140°F)
	Storage Temperature		-40℃ to 70℃ (-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℃; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

**Test conditions: Scan Distance= (min. DOF + max. DOF)/2; T=23℃; Illumination=300lux using incandescent lamp; 2D: QR Code; 10 Bytes; Resolution=15mil; PCS=0.8.

Specifications are subject to change without notice.

Version: V1.0