Newland
SCANNING MADE SIMPLE

1d | 2d | cmos megapixel | ir | ip52 | 1.2m drop

usb | rs232



FR4080 Koi II

stationary scanners

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.



Application Scenarios

mobile payment | point of sale | retail | self service

FR4080 Koi II technical specifications

Performance	Image Sensor	1280x800 CMOS
	Illumination	White LED
	Depth of Field EAN13 (13mil)	5-195mm
	Depth of Field QR (15mil)	5-165mm
	Minimal Print Contrast	25%
	Scan Angle Roll	360°
	Scan Angle Pitch	±50°
	Scan Angle Skew	±45°
	Field of View Horizontal	51°
	Field of View Vertical	32°
	Motion Tolerance	2.5m/s
Data capture	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.
	2D	PDF417, Data Matrix, QR Code, Micro QR Code, Aztec, etc.
Physical	Dimensions (mm)	83(W)x81(D)x148(H)mm
	Weight	293g
	Interfaces	RS-232, USB
	Notifications	Beep, LED indicator
	Input Voltage	5VDC±5%
	Current @ 5VDC Operating	219mA (typical)
	Power Consumption	1041mW (typical)
Environmental	Operating Temperature	-20°C to 60°C
	Storage Temperature	-40°C to 70°C
	Humidity	5% to 95% (non-condensing)
	Electro Static Discharge (ESD)	±14 kV (air discharge), ±8 kV (direct discharge)
	Drop	1.2m
	Sealing	IP52
Certifications	Certifications	FCC Part15 Class B, CE EMC Class B

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