Newland
SCANNING MADE SIMPLE

1D & 2D
Megapixel
Fast Motions
Infrared
IP52
1.2M drop
Dual Interface
EasySet
Warranty 5 Years

FR40 Koi

Presentation Scanners

Features

First megapixel presentation scanner.
At the top of the line, the FR40 Koi 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 FR40 Koi 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 FR40 Koi 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 FR40 Koi is protected against dust, water and other contaminants.

1.2 drop resistance.
The FR40 Koi withstands multiple 1.2m drops to concrete (six sides, one drop per side).

IR trigger.
The IR sensor in the FR40 Koi enables the speedy capture of any barcode presented to it, markedly increasing output and productivity.

Suggested industries

Entertainment
Healthcare
Hospitality
Retail

FR40 Koi Technical specifications

Data Capture	
1D	All major 1D symbologies, including 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.
2D	All major 2D symbologies, including PDF417, Data Matrix, QR Code, Micro QR Code, Aztec.
Image Sensor	1280x800 CMOS
Illumination	White LED
Depth of Field EAN 13 (13mil)	10-210mm
Depth of Field QR (15mil)	10-180mm
Performance	
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
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
IP Rating	IP52
Software	
Configuration Tools	EasySet
Certifications	
Hardware	FCC Part15 Class B, CE EMC Class B, RoHS

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Feel free to contact us or a partner near you

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Specifications are subject to change without notice

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Warranty	
Standard	5 years

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