FR40 Koi Series

Desktop Barcode Scanner

The Koi omnidirectional presentation scanner is capable of reading 1D/2D barcodes printed on paper or displayed on a mobile phone screen. Featuring an excellent motion tolerance of 2m/s this presentation scanner delivers superior performance and outstanding durability at an affordable price. The Koi fixed presentation scanner is suited for a wide variety of applications in retail such as Pharmacy, Cosmetics & drug stores, Smaller sized grocery stores, Tobacco kiosk and in a ticketing booth for reading and validating mobile or paper tickets.

Features

- Demonstrates speedy scanning and accurate decoding on moving barcodes, including 1D, 2D and PDF417.

- Handheld and hands-free modes: Scan bulky items continuously without the need for unnecessary heavy lifting by checkout personnel.

- Omnidirectional scanning improves productivity by eliminating the need to align scanner and barcode.

- Unsurpassed readability on barcodes on the screen of smartphone or tablet using auto-brightness.

- Supports RS-232/USB interfaces.

Depth of Field

Symbology	Barcode Density	Depth of Field (mm)
Code 39	5mil	10～100
UPC-A	13mil	0～250
PDF417	6.67mil	0～80
Data Matrix	10mil	10～90
QR	15mil	10～150

Specifications

Performance		
Image Sensor	CMOS	
Pixels	752×480	
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.
Precision	≥ 5mil	
Scan Angle**	Pitch	±60° @ 0° Roll and 0° Skew
	Roll	360° @ 0° Pitch and 0° Skew
	Skew	±55° @ 0° Roll and 0° Pitch
Motion Tolerance	2m/s	
Minimum Symbol Contrast	25%	
Interface	RS-232, USB	
Physical		
Dimensions (L x W x H)	83×81×148mm	
Weight	292g	
Notification	Beep, LED	
Power Adaptor	Output: DC 5V, 1.5A Input: AC 100 ~ 240V, 50~60Hz	
Current	Operating Current	350mA
	Standby Current	70mA
Environmental		
Operating Temperature	-20°C ~50°C (-4°F ~ 122°F)	
Storage Temperature	-20°C ~ 70°C (-4°F ~ 158°F)	
Humidity	5% ~ 95% (non-condensing)	
ESD	±8KV (Contact discharge); ±14KV(Air discharge)	
Drop	1.2m	
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

Contact Us

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

Newland UK Branch
+44 (0) 1442 212 020
david.craggs@newland-id.co-uk

Newland D-A-CH
+49 (0) 294 298 76758
b.beckmann@newland-id.de

Newland Nordic Branch
+46 (0) 708 847 767
goeran.jernberg@newland-id.com

Newland France Branch
+33 (0) 160 707 974
info@newland-id.fr

Newland Italy Branch
+39 (0) 335 773 0521
cristiano.dibattista@newland-id.com

Newland South Africa Division
+27 (0)11 553 8010
info@newland-id.co.za

Newland Middle East Branch
+96 (0) 655 500 9610
shuja.rahman@newland-id.com

Newland Ibérica Branch
+34 93 303 74 66
info@newland-id.es

Newland