Newland
SCANNING MADE SIMPLE

| 1D | 2D | CMOS | CCD |
| chip | USB | RS232 | IP54 | 1.5M DROP |

FM50 Pike
fixed mount
barcode scanner

FEATURES

Outstanding decoding performance.

The FM50 Pike contains two scanning engines inside: 1D and 1D+2D for wider barcodes, that can be scanned with autosense mode and in extraordinary speed.

Effortless scanning from screen.

The FM50 Pike is capable of reading the barcodes on screen - from mobile phones and LCD displays. Moreover, the scanner can detect barcodes which are covered with a protective film.

Automatic exposure control.

The combination of IR and light sensors will help you to capture barcodes with high sensitivity. They can automatically adjust the brightness of supplementary lighting based on the light reflected from the barcode.

Flexible and easy to integrate.

The compact and lightweight FM50 Pike can easily fit into a variety of spaceconstrained areas, having a very tiny footprint. It can be integrated into the equipment and also used as a standalone scanner. The product comes with a 2 meter USB or RS232 interface cable.

High industrial protection.

With IP54, the scanner is protected from dust and moisture. Also, it can withstand up to 1,5 meter drop, preventing the device from being easily damaged.

2D sensor

1D sensor

Application Scenarios

Product was specifically developed for reading very wide 1D barcodes and 2D barcodes used in utility bills, for instance in payment machines or ATM's. Also, the scanner can be used in kiosks, loyalty programs or ticket validation and more.

Performance	Image Sensor		CMOS+CCD
	Pixels		752*480 CMOS + 2500 CCD
	Symbologies	2D	PDF417, Data Matrix, QR Code, etc.
		1D	EAN-13, EAN-8, UPC-A, UPC-E, ISSN, ISBN, Codabar, Code 128 (FNC1, FNC2, FNC3), Code 93, ITF-6, ITF-14, Interleaved 2 of 5, Industrial 2 of 5, Standard 2 of 5, Matrix 2 of 5, GS1 Databar (RSS-Expand, RSS-Limited, RSS-14), Code 39, Code 11, MSI-Plessey, Plessey, etc.
	Resolution		≥5mil
	Scan Mode		Sense mode/ Manual mode
	Scan Angle	Pitch	±55°@ 0°Roll and 0° Skew
		Roll	±360°@ 0°Pitch and 0° Skew
		Skew	±55°@ 0°Roll and 0° Pitch
	Symbol Contrast		≥20%
	Interface		RS-232, USB
Physical	Dimensions (L×W×H)		76×51×28mm
	Weight		100g
	Notification		Beep, LED indicator
	Current	Operating	380mA
		Standby	180mA
Environmental	Operating Temperature		-20℃~70℃
	Storage Temperature		-40℃~70℃
	Humidity		5%~95% (non-condensing)
	ESD		±14 kV (air discharge), ±8 kV (direct discharge)
	Drop		1.5m drops to concrete (for six sides, three drops per side)
	Sealing		IP54
Certifications			FCC Part15 Class B，CE EMC Class B
Accessories	Cable (direct connection)	USB	Used to connect the FM50 to a host device. Equipped with a
		RS-232	power connector; used to connect the FM50 to a host device.
	Power Adaptor		Used to provide power for the FM50. Output: DC5V, 1.5A; Input: AC100~240V, 50~60Hz

Specifications are subject to change without notice.

Version: V1.0