

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 auto-sense 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.

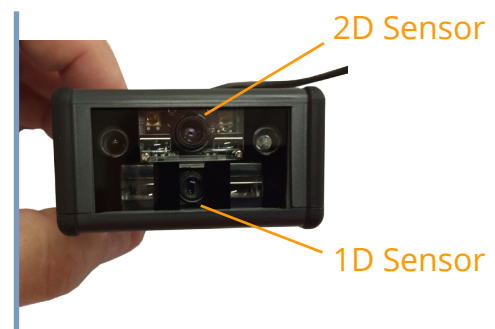
The combination of IR and light sensors will help you to capture barcodes with high sensitivity. They can automatically adjust the brightness of supplementary lighting based on the light reflected from the barcode.

◆ Flexible and easy to integrate.

The compact and lightweight FM50 Pike can easily fit into a variety of space-constrained 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.



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.

FM50 Pike

Fixed Mount Barcode Scanner

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°C~70°C	
	Storage Temperature		-40°C~70°C	
	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 power connector; used to connect the FM50 to a host device.	
		RS-232		
	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

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

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

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

Newland Nordic & Baltic
+46 (0) 708 847 767
nordic@newland-id.com

Newland Ibérica
+34 (0) 93 303 74 66
info@newland-id.es

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

Newland Middle East
+31 (0) 345 87 00 33
middleeast@newland-id.com

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

Newland Italy
+39 (0) 342 056 2227
italy@newland-id.com

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