



1d



ccd



ip54



usb



rs232



**FM100**

stationary scanners

## Features

### Ease of integration.

Compact and easy to integrate design. The small form factor enables easy integration into various solutions. This 1D fixed barcode scanner has an IP54 rating making it dust & water resistant.

### Advance Technology.

Includes core-technology, which is independently designed and manufactured by Newland Auto-ID. Technology includes the optical, CMOS, digitizer, decoder, image processing & embedded systems. The scanner supports all global standard 1D barcode symbologies. Its reading performance reaches and exceeds global standards. By using the accessories provided, the user can easily set up the scanner to their customer's environment.

### Application scenarios.

Designed for OEM applications, this high performance fixed CCD scan engine can easily be integrated into various solutions such as kiosks, ticketing machines, (Reverse) Vending Machines and many more.

## Application Scenarios



industrial



self service



ticketing

# FM100 technical specifications

Performance	Image Sensor	CCD 2500
	Illumination	Red LED (622 nm - 628 nm)
	Minimal Print Contrast	30%
	Scan Angle Roll	±30°
	Scan Angle Pitch	±65°
	Scan Angle Skew	±60°
	Field of View Horizontal	40°
	Scan Modes	Interval Mode, Sensor Mode, Continuous Mode, Delayed Sensor Mode, Command Triggered Mode
Data capture	Scan Rate	300 scans per second
	1D	Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E, Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93, UCC/EAN-128, GS1 Databar, etc.
Physical	Dimensions (mm)	49.0 * 37.0 * 26.0 mm
	Weight	70 g
	Material	ABS
	Interfaces	RS-232, USB
	Notifications	Beep, LED indicator
	Input Voltage	5VDC ± 5%
	Current @ 5VDC	170mA
	Operating	
	Current @ 5VDC Standby	65mA
Environmental	Power Supply Input	DC5V, 1.5A
	Power Supply Output	AC100~240V, 50~60Hz
	Ambient Light	0 ~ 100,000 LUX
	Operating Temperature	-5°C - +45°C
	Storage Temperature	-40°C - +60°C
	Humidity	5%~95% (non-condensing)
Accessories	Optional	RS232 Cable, Adapter
	Standard	USB Cable
Certifications	Certifications	FCC Part15 Class B, CE EMC Class B, KC
Warranty	Warranty	2 years

For more information, contact us at [sales@mai.hr](mailto:sales@mai.hr)