Newland AIDC
SCANNING MADE SIMPLE

1D | Dual Interface | IP54 | CCD | Warranty 5 Years



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.

Suggested industries

Hospitality | Entertainment | Industrial

FM100 Technical specifications

Data Capture	
1D	All major 1D symbologies, including Code128, EAN-13, EAN-8, Code39, UPC-A, UPC-E,Codabar, Interleaved 2 of 5, ISBN/ISSN, Code 93,UCC/EAN-128, GS1Databar.
Image Sensor	CCD 2500
Illumination	Red LED (622 nm - 628 nm)
Resolution	≥5mil
Scan Modes	Interval Mode, Sensor Mode, Continuous Mode, Delayed Sensor Mode, Command Triggered Mode
Scan Rate	300 scans per second
Field of View Horizontal	40°
Scan Angle Roll	±30°
Scan Angle Pitch	±65°
Scan Angle Skew	±60°
Minimal Print Contrast	30%
Physical	
Current @ 5VDC Operating	163mA
Current @ 5VDC Standby	65mA
Dimensions (mm)	49.0 *37.0 * 26.0 mm
Input Voltage	5VDC ± 5%
Interfaces	RS-232, USB
Material	ABS
Notifications	Beep, LED indicator
Power Supply Input	DC5V, 1.5A
Power Supply Output	AC100~240V, 50~60Hz
Weight	70g
Environmental	
Ambient Light	0 ~ 100,000 LUX
Operating Temperature	-5°C to 45°C
Storage Temperature	-40°C to 60°C
Humidity	5%~95% (non-condensing)

Newland AIDC EMEA

Email address: info@newland-id.com

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Specifications are subject to change without notice

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FM100 Technical specifications

IP Rating	IP54
Accessories	
Standard	USB cable
Certifications	
Hardware	FCC Part15 Class B, CE EMC Class B,KC
Warranty	
Standard	5 years

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