



1D



Dual
Interface



IP54



CCD



Warranty
2 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, GS1 Databar. |
| Image Sensor | CCD 2500 |
| Illumination | Red LED (622 nm - 628 nm) |
| 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) |
| IP Rating | IP54 |

Certifications

| | |
|----------|--|
| Hardware | FCC Part15 Class B, CE EMC Class B, KC |
|----------|--|

Warranty

| | |
|----------|---------|
| Standard | 2 years |
|----------|---------|

Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

Feel free to contact us or a partner near you

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Specifications are subject to change without notice

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