



1D



CCD



Fast
Motions



Wide
Scan
Angle



Wide
Voltage
5-24V



RS232



IP54



Warranty
2 Years



FM510-V
IVD Scanners

Features

High-Speed Scanning for Boosted Throughput

With a high scanning speed of 780 scans per second, the FM510-V boosts your data collection efficiency. Higher speed allows you to accelerate the track and trace process and handle more samples. The FM510-V is perfect for in-vitro diagnostics and laboratory track and trace applications, where speed is critical for accurate and timely results.

Vertical and Horizontal Configurations

With both vertical and horizontal configurations available, the FM510 Series offers adaptability in its integration within laboratory environments. These options guarantee a seamless alignment with your existing lab setup and equipment, allowing for optimal use of scanning technology within your workspace.

Wide Angle for Close-Up Scanning

The FM510-V features a wide scan angle, ideal for laboratory use where vials with lengthy 1D barcodes and close-up scanning are common requirements. It offers a depth of field, covering distances from 15mm to 95mm, allowing you to scan up to three rows of lab vials.

Ultra Compact & Durable Design

The compact design of the FM510-V ensures seamless integration with your existing lab equipment. Moreover, the FM510-V is encased in a robust IP54-sealed housing, which makes it capable of withstanding the harsh demands of laboratory environments and safeguards the longevity of your devices.

Wide Voltage Input

The FM510-V features an extensive input voltage range from 5 to 24VDC, offering adaptability to various power sources and global electrical standards. This versatility ensures stable and reliable operation without the need for additional power converters.

Suggested industries



IVD &
Laboratory



Healthcare

FM510-V Technical specifications

Data Capture

1D	All major 1D symbologies
Image Sensor	2500 CCD
Illumination	615nm red LED
Resolution	≥6mil
Scan Rate	780 scans/s
Depth of Field	15-95mm
Field of View	68°
Beam Exit	Scan window with lateral beam exit
Minimal Print Contrast	25%

Physical

Current @ 5VDC Operating	540mA RMS (typical); 850mA (max)
Current @ 24VDC Operating	117mA RMS (typical); 250mA (max)
Dimensions (mm)	62.5(W) × 57(D) × 21.5(H)
Housing	Plastic
Input Voltage	5-24VDC±5%
Interfaces	RS-232
Notifications	LED indicator
Power Consumption	< 3W
Weight	120g

Environmental

Ambient Light	≤5000lux
Operating Temperature	0°C to 50°C (32°F to 122°F)
Storage Temperature	-40°C to 70°C (-40°F to 158°F)
Humidity	5%~95% (non-condensing)
IP Rating	IP54

Software

Configuration Tools	EasySet
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Certifications

Hardware	CE/FCC/UL; IEC62471: 2006 for LED safety; RoHS 2.0
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Warranty

Standard	2 years
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Newland EMEA HQ

+31 (0) 345 87 00 33

info@newland-id.com

newland-id.com

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