



FM510-H

Industrial Fixed-Mount



1D



CCD



High motion tolerance



IP54



RS232



Warranty 2 Years



Wide Scan Angle



Wide Voltage 5-24V



Features

High-Speed Scanning for Boosted Throughput

With a high scanning speed of 780 scans per second, the FM510-H boosts your data collection efficiency. Higher speed allows to accelerate the track and trace process and handle more samples. The FM510-H is perfect for in-vitro diagnostics and laboratory 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-H 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 25mm to 105mm, allowing you to scan up to three rows of lab vials.

Ultra Compact & Durable Design

The compact design of the FM510-H ensures seamless integration with your existing lab equipment. Moreover, the FM510-H 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-H 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.

2 Years Full Warranty



TECHNICAL SPECIFICATIONS

FM510-H

Data Capture

1D	All major 1D symbologies
Beam Exit	Scan window with front beam exit

Depth of Field	25 mm - 105 mm
Field of View Horizontal	68°
Illumination	Red LED (615nm)
Image Sensor	2500 CCD
Minimal Print Contrast	25%
Resolution	≥6mil
Scan Rate	780 scans per second

Physical

Current @ 24VDC Operating	117 mA RMS (typical); 250 mA (max)
Current @ 5VDC Operating	540 mA RMS (typical), 850 mA (max)
Dimensions	62.5(W) × 50.5(D) × 21.5(H) mm
Housing	Plastic
Input Voltage	5-24 VDC ±5%
Interfaces	RS-232
Notifications	LED
Power Consumption	< 3 W
Weight	120 g

Environmental

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

Software

Configuration Tools	EasySet
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Certifications

Certifications Hardware	FCC, RoHS 2.0, IEC 62471, CE, UL
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Warranty

Warranty Standard	2 Years
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Newland AIDC EMEA

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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