



# 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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