



1D



CCD



Fast  
Motions



Wide  
Scan  
Angle



Wide  
Voltage  
5-24V



RS232



IP54



Warranty  
2 Years



**FM515-H**  
IVD Scanners

## Features

### Tailored for Laboratory Applications

With its wide scan angle, the FM515-H is perfectly suited for laboratories where scanning lengthy 1D barcodes is a common challenge. The FM515-H provides a versatile depth of field, covering standard distances from 35mm to 190mm, enabling you to efficiently scan up to eight rows of lab vials from a fixed position.

### Fast Scanning for Higher Productivity

Elevate your data collection efficiency with the FM515-H, boasting a remarkable scanning speed of 780 scans per second. The FM515-H empowers you to speed up track and trace processes and handle a greater number of samples. It is the go-to choice for critical applications in in-vitro diagnostics and laboratories, where speed is pivotal for precise and timely results.

### Built to Last

The FM515-H is housed in a robust IP54-sealed casing, designed to withstand the rigorous demands of laboratory environments and ensure the durability of your equipment.

### Flexible Vertical and Horizontal Configurations

The FM515 Series offers adaptability with both vertical and horizontal configurations. These choices seamlessly integrate into existing laboratory setup and equipment, ensuring optimal utilization of scanning technology within a workspace.

### Wide Voltage Range

The FM515-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.

## Suggested industries



IVD &  
Laboratory



Healthcare

# FM515-H 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	35-190mm
Field of View	68°
Beam Exit	Scan window with front beam exit
Minimal Print Contrast	25%

## Physical

Current @ 5VDC Operating	737mA RMS (typical); 870mA (max)
Current @ 24VDC Operating	150mA RMS (typical); 250mA (max)
Dimensions (mm)	62.5(W) × 50.5(D) × 21.5(H)
Housing	Aluminium
Input Voltage	5-24VDC±5%
Interfaces	RS-232
Notifications	Status indicator
Power Consumption	< 4W
Weight	166g

## 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
---------------------	---------

## Certifications

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

## Warranty

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

### Newland EMEA HQ

+31 (0) 345 87 00 33

[info@newland-id.com](mailto:info@newland-id.com)

[newland-id.com](http://newland-id.com)

Feel free to contact us or a partner near you

visit [newland-id.com/partners](http://newland-id.com/partners)

Specifications are subject to change without notice

© Newland EMEA 2023, all rights reserved