Newland AIDC
SCANNING MADE SIMPLE



FM515-H

Industrial Fixed-Mount

1D | CCD | High Motion Tolerance | IP54 | RS-232 | Warranty 2 Years

Wide Scan Angle | Wide Voltage 5-24V



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.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

FM515-H

Data Capture

1D	All major 1D symbologies
Beam Exit	Scan window with front beam exit
Depth of Field	35 mm - 190 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	150 mA RMS (typical); 250 mA (max)
Current @ 5VDC Operating	737 mA RMS (typical); 870 mA (max)
Dimensions	62.5(W) × 50.5(D) × 21.5(H) mm
Housing	Aluminium
Input Voltage	5-24 VDC ±5%
Interfaces	RS-232
Notifications	Status indicator
Power Consumption	< 4W
Weight	166 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

Certifications

Certifications Hardware	CE, IEC 62471, FCC, UL, RoHS 2.2

Warranty

Warranty Standard	2 Years

Newland AIDC EMEA
SCANNING MADE SIMPLE

Newland AIDC EMEA
Feel free to contact us or a partner near you.
info@newland-id.com - newland-id.com

Specifications are subject to change without notice

© Newland AIDC EMEA 2026 - All rights reserved