Newland AIDC
SCANNING MADE SIMPLE



FM530

Industrial Fixed-Mount

1D
CCD
High Motion Tolerance
IP65
Laser Aimer
RS-232
Warranty 2 Years
Wide Voltage 9-30V





Features

Ideal for IVD and Lab Automation Applications
With its wide scanning angle, the FM530 can effortlessly capture barcodes, regardless of their position or orientation, making it a perfect fit for IVD and lab automation applications. Designed for reading barcodes at a further distance, the FM530 reliably scans 1D codes from up to 350mm.

Precision Scanning with Crosshair Laser Aimer
For precise positioning during installation, the FM530 is equipped with a crosshair laser aiming system. This feature simplifies the scanner's setup, enhancing user convenience and ensuring accurate scanning is achieved.

Robust Design
The FM530's metal housing is sealed to an IP65 rating, providing robust protection against dust, moisture, and environmental factors. This level of security is a necessary requirement for laboratory settings, ensuring the durability of equipment and the integrity of scanned data.

Versatile Voltage Compatibility
The FM530's wide voltage input range of 9 to 30VDC provides adaptability to diverse power sources, simplifying installation and reducing the need for additional power infrastructure.

Ease of Maintenance
With its convenient USB On-The-Go (OTG) interface, the FM530 allows for easy upgrades without disassembling the device. This feature minimizes downtime and simplifies maintenance procedures, ensuring uninterrupted lab workflow.

2 Years Full Warranty

EasySet

TECHNICAL SPECIFICATIONS

FM530

Data Capture

1D	All major 1D symbologies
Aiming	Green cross laser (515nm)
Beam Exit	Scan window with lateral beam exit
Depth of Field	30 mm - 350 mm
Illumination	Red LED
Image Sensor	2500 CCD
Minimal Print Contrast	25%
Resolution	≥6mil
Scan Rate	780 scans per second

Physical

Current @ 24VDC Operating	156 mA RMS (typical); 288 mA (max)
Dimensions	90(W) × 110(D) × 29.8(H) mm
Housing	Metal
Input Voltage	9-30 VDC ±5%
Interfaces	RS-232
Notifications	Beep, LED
Power Consumption	9 W
Weight	500 g

Environmental

Ambient Light	≤5000 lux
Humidity	5% to 95% (non-condensing)
IP Rating	IP65
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, UL, IEC 62471, FCC, EN 50689, RoHS 2.0

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