



# FM530

Industrial Fixed-Mount



1D



CCD



High motion tolerance



IP65



Laser aimer



RS232



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



## 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
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#### Certifications

Certifications Hardware	FCC, RoHS 2.0, IEC 62471, CE, EN 50689, 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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