



1D



CCD



Laser  
aimer



Fast  
Motions



Wide  
Voltage  
9-30V



RS232



IP65



Warranty  
2 Years



**FM530**  
IVD Scanners

## 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.

## Suggested industries



IVD &  
Laboratory



Healthcare

## Data Capture

1D	All major 1D symbologies
Image Sensor	2500 CCD
Aiming	515nm green crosshair laser aiming LED; class 2 consumer laser product; <1mW
Illumination	Red LED
Resolution	≥6mil
Scan Rate	780 scans/ s
Depth of Field	30-350mm
Beam Exit	Scan window with lateral beam exit
Minimal Print Contrast	25%

## Physical

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

## 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	IP65

## Software

Configuration Tools	EasySet
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## Certifications

Hardware	CE/FCC; LED Safety: EN 62471:2008; Laser Safety: EN 60825-1:2014+A11: 2021, EN 50689:2021, IP65/ RoHS 2.0
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## Warranty

Standard	2 years
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