



1D & 2D



Megapixel



OCR



IP54



Laser  
aimer



LED  
aimer



Dual  
Interface



1.5m  
drop



EasySet



Warranty  
2 Years



**FM430  
Barracuda**  
Stationary Scanners

## Features

### Megapixel camera.

The FM430 Barracuda is a barcode scanning powerhouse. No matter what type of barcode is presented, the megapixel camera allows users to scan 1D and 2D barcodes, including very small ones, with impressive speed and ease.

### Snappy, also in less than perfect conditions.

A combination of the IR sensor and the light sensor helps to keep workers moving, even in low light conditions. Its strong, white light ensures barcodes are always well lit.

### Handsfree or manual scanning.

Companies looking for automatic scanning to relieve manual labor can set up the FM430 Barracuda for handsfree scanning. Alternatively, a manual trigger button can be used if preferred.

### Intelligent programming.

The sensors of the FM430 Barracuda automatically adjust the brightness of supplementary lighting based on the light that reflects

off the barcode. This also makes it an optimal solution for scanning from mobile phone screens. Depending on the application, the scanner can be set to optimally read from close and long distance.

### Reliable outdoor use.

With an IP rating of 54, this fixed mount scanner can be placed in a housing and used outdoors without worrying about dust or moisture.

### Bright laser aimer (optional).

The FM430 Barracuda is available with a red cross laser that makes scanning easy and intuitive, even for the most inexperienced users.

### Application scenarios.

Self-service kiosks used in e-commerce, express delivery services, access control, loyalty, mobile payment, events ticket redemption, gaming cash outs, postal services, transport boarding passes, parking ticket machines, production line.

## Suggested industries



Entertainment



Gaming



Industrial



Postal



Transportation

# FM430 Barracuda Technical specifications

## Performance

|                                    |                                                     |
|------------------------------------|-----------------------------------------------------|
| Image Sensor                       | CMOS 1280 * 800                                     |
| Processor                          | 1GHz,X1500                                          |
| Illumination                       | White LED                                           |
| Aiming                             | Laser diode or green LED                            |
| Depth of Field EAN 13 (13mil)      | 55-360mm                                            |
| Depth of Field Code 39 (5mil)      | 70-180mm                                            |
| Depth of Field PDF417 (6.67mil)    | 55-160mm                                            |
| Depth of Field Data Matrix (10mil) | 50-170mm                                            |
| Depth of Field QR (15mil)          | 40-210mm                                            |
| Minimal Print Contrast             | 25%                                                 |
| Scan Angle Roll                    | 360°                                                |
| Scan Angle Pitch                   | ±55°                                                |
| Scan Angle Skew                    | ±55°                                                |
| Field of View Horizontal           | 51°                                                 |
| Field of View Vertical             | 32°                                                 |
| Scan Modes                         | Sense mode, Continuous mode, Level mode, Pulse mode |
| Scan Rate                          | 60 frames per second                                |

## Data Capture

|    |                                                                                                                                                                                                                                           |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1D | All major 1D symbologies, including EAN-13, EAN-8, UPC-A, UPC-E, Code 128, Code 39, Codabar,UCC/EAN 128, RSS, ITF, ITF-14, ITF6, Standard 25, Matrix 25,COOP 25, Industrial 25, Plessey, MSI Plessey, Code 11, Code93, Code 49, Code 16K. |
| 2D | All major 2D symbologies, including PDF417, QR Code, Data Matrix, AZTEC, CSC, Maxicode, Micro QR, Micro PDF417, GM , Code One.                                                                                                            |

## Physical

|                          |                                   |
|--------------------------|-----------------------------------|
| Dimensions (mm)          | 41.5(W)×49.5(D)×24.3(H)mm         |
| Weight                   | 75g                               |
| Material                 | PC,ABS                            |
| Interfaces               | RS-232, USB                       |
| Notifications            | Beep, LED indicator               |
| Input Voltage            | 5VDC±5%                           |
| Current @ 5VDC Operating | 276.8mA (typical), 322.7mA (max.) |
| Current @ 5VDC Standby   | 83.3mA                            |
| Power Supply Input       | DC5V, 1.5A                        |
| Power Supply Output      | AC100~240V, 50~60Hz               |

## Environmental

|                       |                                |
|-----------------------|--------------------------------|
| Operating Temperature | -20°C to 60°C (-4°F to 140°F)  |
| Storage Temperature   | -40°C to 70°C (-40°F to 158°F) |

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Specifications are subject to change without notice

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# FM430 Barracuda Technical specifications

|                                |                                                  |
|--------------------------------|--------------------------------------------------|
| Humidity                       | 5%~95% (non-condensing)                          |
| Electro Static Discharge (ESD) | ±14 kV (air discharge), ±8 kV (direct discharge) |
| Drop                           | 1.5m                                             |
| IP Rating                      | IP54                                             |

## Accessories

|          |                     |
|----------|---------------------|
| Standard | USB Cable           |
| Optional | RS232 Cable,Adapter |

## Software

|                     |         |
|---------------------|---------|
| Configuration Tools | EasySet |
|---------------------|---------|

## Certifications

|          |                                                                  |
|----------|------------------------------------------------------------------|
| Hardware | FCC Part15 Class B, CE EMC Class B, RoHS, IEC60825, IEC62471, KC |
|----------|------------------------------------------------------------------|

## Warranty

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

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