



**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.

## Application Scenarios



# FM430 Barracuda technical specifications

<b>Performance</b>	Processor	1GHz,X1500	
	Image Sensor	CMOS 1280 * 800	
	Illumination	White LED	
	Aiming	Laser diode or green LED	
	Depth of Field EAN13 (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	
	<b>Data capture</b>	1D	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, etc.
		2D	PDF417, QR Code, Data Matrix, AZTEC, CSC, Maxicode, Micro QR, Micro PDF417, GM , Code One, etc.
<b>Physical</b>	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		
<b>Environmental</b>	Operating Temperature	-20°C to 60°C (-4°F to 140°F)	
	Storage Temperature	-40°C to 70°C (-40°F to 158°F)	
	Humidity	5%~95% (non-condensing)	
	Electro Static Discharge (ESD)	±14 kV (air discharge), ±8 kV (direct discharge)	
	Drop	1.5m	
	Sealing	IP54	
<b>Accessories</b>	Optional	RS232 Cable,Adapter	
	Standard	USB Cable	
<b>Certifications</b>	Certifications	FCC Part15 Class B, CE EMC Class B, RoHS, IEC60825, IEC62471, KC	
<b>Warranty</b>	Warranty	2 years	