













1D & 2D Megapixel

OCR

Laser aimer

LED aimer

• 00000

Dual Interface



drop

1.5m

EasySet

IP54

Warranty 2 Years



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



Retail





Hospitality



FM430 Barracuda Technical specifications

All major 1D symbologies, including EAN-13, EAN-9, UPC-B, Code 128, Code 39, Codebas, UCC/EAN 128, RSS, ITF, ITF-ITF-I, ITF6, Standard 25, Marx 25, COOP 26, Industrial 25, Pleasey, MSI Fleasey, Code 11, Code3, Code 19, Code 16K. All major 2D symbologies, including PDF417, OR Code, Data Matrix, AZTEC, CSC, Maxicode, Micro OR, Micro PDF417, CM, Code One. Image Sensor	Data Capture	
Micro PDF417, GM, Code One. Image Sensor	1D	Codabar, UCC/EAN 128, RSS, ITF, ITF-14, ITF6, Standard 25, Matrix 25, COOP 25, Industrial 25, Plessey,
Aiming 650nm Laser diode or 518nm green LED Illumination White LED Scan Modes Sense mode, Centinuous mode, Level mode, Pulse mode Scan Rate 60 frames per second Depth of Field EAN 13 (13mil) 55-380mm Depth of Field Code 39 (5mil) 70-180mm Depth of Field DataMatrix (10mil) 50-170mm Depth of Field DataMatrix (10mil) 50-170mm Depth of Field Ox (15mil) 40-210mm Field of View Hortzontal 51* Field of View Hortzontal 32* Scan Angle Roll 360* Scan Angle Roll 360* Scan Angle Skew 455* Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current © SVDC Operaling 276.8mA (typical), 322.7mA (max.) Current © SVDC Strandby 83.3mA Dimensions (mm) 41.5(W):49.5(D):24.3(Himm Input Voltage 5VDC.55% Interfaces RS-232, USB Material PCARS Notifications Beep, LED indicator Power Supply Input DCSV, 1.5A Power Supply Input AC100-240V, 50-60Hz Weight Temperature -20°C to 60°C (4°F to 140°F)	2D	
Illumination	Image Sensor	CMOS 1280 * 800
Scan Modes Sense mode, Continuous mode, Level mode Pulse mode	Aiming	650nm Laser diode or 518nm green LED
Scan Rate 60 frames per second Depth of Field EAN 13 (13mil) 55-360mm Depth of Field Code 39 (5mil) 70-180mm Depth of Field DPF417 (6.67mil) 55-160mm Depth of Field Data Matrix (10mil) 50-170mm Depth of Field QR (15mil) 40-210mm Field of View Hortical 51* Field of View Vertical 32* Scan Angle Roll 360* Scan Angle Roll 455* Scan Angle Slew 455* Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ SVDC Operating 276.8mA (typical), 322.7mA (max.) Current @ SVDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Notifications Beep, LED Indicator Power Supply Output AC100-240V, 50-60Hz Weight 75g Environmental Operating Temperature -20°C to 80°C (4°F to 140°F)	Illumination	White LED
Depth of Field EAN 13 (13mil) 55-380mm	Scan Modes	Sense mode, Continuous mode, Level mode, Pulse mode
Depth of Field Code 39 (5mil) 70-180mm Depth of Field PDF417 (8.67mil) 55-160mm Depth of Field DataMatrix (10mil) 50-170mm Depth of Field QR (15mil) 40-210mm Field of View Horizontal 51* Field of View Vertical 32* Scan Angle Roll 360* Scan Angle Pitch ±55* Scan Angle Skew ±55* Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(M)×49.5(D)×24.3(H)mm Input Voltage 5VDc.5% Interfaces RS-232, USB Material PC.ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100-240V, 50-60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Scan Rate	60 frames per second
Depth of Field PDF417 (8.67mil) 55-160mm Depth of Field DataMatrix (10mil) 50-170mm Depth of Field QR (15mil) 40-210mm Field of View Horizontal 51* Field of View Vertical 32* Scan Angle Roll 360* Scan Angle Pitch ±55* Scan Angle Skew ±55* Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)*49.5(D)*24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DCSV, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Depth of Field EAN 13 (13mil)	55-360mm
Depth of Field DataMatrix (10mil) 50-170mm Depth of Field OR (15mil) 40-210mm Field of View Horizontal 51* Field of View Vertical 32* Scan Angle Roll 360* Scan Angle Pitch ±55* Scan Angle Stew ±55* Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC.ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100-240V, 50-60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Depth of Field Code 39 (5mil)	70-180mm
Depth of Field OR (15mil) 40-210mm Field of View Horizontal 51° Field of View Vertical 32° Scan Angle Roll 360° Scan Angle Pitch ±55° Scan Angle Skew ±55° Minimal Print Contrast 25% Performance Processor Processor 1GHz,X1500 Physical Curent @ 5VDC Operating Curent @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC.55% Interfaces RS-232. USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Environmental -20°C to 60°C (4°F to 140°F)	Depth of Field PDF417 (6.67mil)	55-160mm
Field of View Horizontal 51° Field of View Vertical 32° Scan Angle Roll 360° Scan Angle Pitch ±55° Scan Angle Skew ±55° Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~80Hz Veight 75g Environmental Operating Temperature -20°C to 80°C (4°F to 140°F)	Depth of Field DataMatrix (10mil)	50-170mm
Field of View Vertical 32° Scan Angle Roll 360° Scan Angle Pitch ±55° Scan Angle Skew ±55° Minimal Print Contrast 25% Processor Physical Curent @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Curent @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Depth of Field QR (15mil)	40-210mm
Scan Angle Roll 360° Scan Angle Pitch ±55° Scan Angle Skew ±55° Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DCSV, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Field of View Horizontal	51°
Scan Angle Pitch ±55° Scan Angle Skew ±55° Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100-240V, 50-60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Field of View Vertical	32°
Scan Angle Skew ±55° Minimal Print Contrast 25% Performance 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100-240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Scan Angle Roll	360°
Minimal Print Contrast 25% Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 80°C (4°F to 140°F)	Scan Angle Pitch	±55°
Performance Processor 1GHz,X1500 Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)	Scan Angle Skew	±55°
Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)	Minimal Print Contrast	25%
Physical Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)	Performance	
Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)	Processor	1GHz,X1500
Current @ 5VDC Operating 276.8mA (typical), 322.7mA (max.) Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)	Physical	
Current @ 5VDC Standby 83.3mA Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		276.8mA (typical) 322.7mA (may)
Dimensions (mm) 41.5(W)×49.5(D)×24.3(H)mm Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (4°F to 140°F)		
Input Voltage 5VDC±5% Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Env ironmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Interfaces RS-232, USB Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Material PC,ABS Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Notifications Beep, LED indicator Power Supply Input DC5V, 1.5A Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Power Supply Input Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Power Supply Output AC100~240V, 50~60Hz Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Weight 75g Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
Environmental Operating Temperature -20°C to 60°C (-4°F to 140°F)		
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	Operating Temperature	-20°C to 60°C (-4°F to 140°F)
	Storage Temperature	

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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
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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