

# FM430 Barracuda

## Fixed Mount Barcode Scanner



## 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 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 and production line.

# FM430 Barracuda

## Fixed Mount Barcode Scanner

<b>Performance</b>	Image Sensor		1280 * 800 CMOS	
	Illumination		White LED	
	Aiming		Red Cross Laser Aimer or green LED	
	Symbologies	2D		PDF417, QR Code, Data Matrix, Aztec, CSC, Maxicode, Micro QR, Micro PDF417, GM, Code One.
		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, Code 93, Code 49, Code16K.
	Resolution*		≥3mil	
	Typical Depth of Field*	EAN-13		55-360mm (13mil)
		Code 39		70-180mm (5mil)
		PDF 417		55-160 (6.67mil)
		Data Matrix		50-170 (10mil)
		QR Code		40-210mm (15mil)
	Scan Mode		Sense mode, Continuous mode, Level mode, Pulse mode	
	Scan Angle**		Roll: 360°, Pitch: ±55°, Skew:±55°	
	Field of View		Horizontal 51°, Vertical 32°	
	Symbol Contrast		≥25%	
<b>Mechanical/ Electric</b>	Interface		RS-232, USB	
	Dimensions		41.5(W)×49.5(D)×24.3(H)mm	
	Weight		75g	
	Notification		Beep, LED indicator	
	Rated Power Consumption		1622mW (typical)	
	Operating Voltage		5VDC±5%	
	Current @ 5VDC	Operating		276.8mA (typical), 322.7mA (max.)
		Standby		83.3mA
<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% to 95% (non-condensing)	
	ESD		±14 kV (air discharge), ±8 kV (direct discharge)	
	Drop		1.5m	
	Sealing		IP54	
<b>Certifications</b>			FCC Part15 Class, CE EMC Class B, RoHS, IEC60825, IEC62471, KC	
<b>Accessories</b>	Cable	USB	Used to connect the FM430 to a host device.	
		RS232	Used to connect the FM430 to a host device.	
	Power Adapter		DC5V adapter to power the FM430 with RS232 cable.	

\*Testconditions: T=23°C; Illumination=300lux using incandescent lamp; sample barcodes made by Newland.

Version: V1.0

\*\*Testconditions: Scan Distance=(min. DOF + max. DOF)/2; T=23°C; Illumination=300lux using incandescent lamp; 2D: QR Code;10 Bytes; Resolution=15mil; PCS=0.8.

\*Specifications are subject to change without notice.\*

**Newland EMEA HQ**  
+31 (0) 345 87 00 33  
info@newland-id.com

**Newland D-A-CH**  
+49 (0) 6182 82916-16  
info@newland-id.de

**Newland France**  
+31 (0) 345 87 00 33  
france@newland-id.com

**Newland Benelux**  
+31 (0) 345 87 00 33  
benelux@newland-id.com

**Newland Ibérica**  
+34 (0) 93 303 74 66  
info@newland-id.es

**Newland Italy**  
+39 (0) 342 056 2227  
italy@newland-id.com

**Newland Nordic & Baltic**  
+46 (0) 708 847 767  
nordic@newland-id.com

**Newland UK**  
+44 (0) 1442 212 020  
sales@newland-id.co.uk

**Newland Russia**  
+31 (0) 345 87 00 33  
russia@newland-id.com

**Newland South Africa**  
+27 (0) 11 553 8010  
info@newland-id.co.za

**Newland Middle East**  
+31 (0) 345 87 00 33  
middleeast@newland-id.com

**Newland Turkey & Iran**  
+90 (0) 544 538 40 49  
turkey@newland-id.com  
iran@newland-id.com