



**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, 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.

# FM430 Barracuda

## fixed mount barcode scanner

newland-id.com

<b>Performance</b>	Image Sensor	1280 * 800 CMOS		
	Illumination	White LED		
	Aiming	Red Cross Laser Aimer or green LED		
	Symbolologies	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.		

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

Version: V1.0

\*\*Test conditions: 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.\*