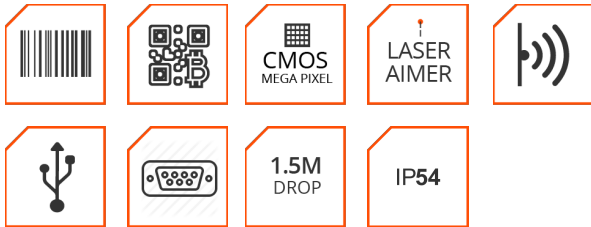


Fixed mount 2D barcode scanner



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 codes, 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 labour can set up the FM430 Barracuda for handsfree scanning. Alternatively, a manual trigger button can be used if preferred.

Applications

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.

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.



Newland

FM430 Barracuda

Technical Specification

Performance	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%		
Mechanical/ Electric	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
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)	
	Humidity		5% to 95% (non-condensing)	
	ESD		±14 kV (air discharge), ±8 kV (direct discharge)	
	Drop		1.5m	
	Sealing		IP54	
Certifications		FCC Part15 Class, CE EMC Class B, RoHS, IEC60825, IEC62471, KC		
Accessories	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.