Newland
SCANNING MADE SIMPLE

1D & 2D | Megapixel | OCR | IP54 | Laser aimer | LED aimer

Dual Interface | 1.5m drop | EasySet | Warranty 2 Years

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.

Suggested industries

Hospitality | Industrial | Logistics | Retail

FM430 Barracuda Technical specifications

Data Capture	
1D	All major 1D symbologies, including 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.
2D	All major 2D symbologies, including PDF417, QR Code, Data Matrix, AZTEC, CSC, Maxicode,Micro QR, Micro PDF417, GM , Code One.
Image Sensor	CMOS 1280 * 800
Illumination	White LED
Aiming	650nm Laser diode or 518nm green LED
Scan Modes	Sense mode, Continuous mode, Level mode, Pulse mode
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 PDF417 (6.67mil)	55-160mm
Depth of Field DataMatrix (10mil)	50-170mm
Depth of Field QR (15mil)	40-210mm
Performance	
Processor	1GHz,X1500
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°
Physical	
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
Environmental	
Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)

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Specifications are subject to change without notice

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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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