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

1.5m drop **Dual Interface** **EasySet** **Warranty 5 Years**

FM431 Barracuda Pro
Stationary Scanners

Features

High-Speed Scanning.
The FM431 Barracuda Pro adds high motion tolerance to the FM430 Series. Higher pass rates are designed to unlock opportunities in manufacturing and automated vending applications. The high speed also opens up new possibilities for POS fix mount scanning. Conveyors moving codes past the scanners and automated/robotic applications, where codes are constantly and steadily on the move, are ideal for the FM431.

Dual Aiming.
The FM431 Barracuda Pro packs both laser and LED aiming options into the same device. In customer-facing applications, LED aiming protects clients from harmful lasers. At the same time, the laser engine pinpoints the exact position of the scanner for presenting codes under or for use in some automated applications.

Good Read Notification.
The FM431 Barracuda Pro alerts the customer about a successful scan when using laser aiming by flooding the code with light from the LED aimer. This is useful for fixed-mount applications where the beep is not wanted or if the environment is too loud for the beep alone.

All Weather Conditions.
The FM431 Barracuda Pro has Advanced Exposure control to adapt to light volume, including bright reflection on the barcodes. The IP54 sealing and operating temperature range from -20 to +60 degrees making this Newland's best all-around fixed mount scanner suitable for most outdoor applications.

Fast Communication.
The FM431 Barracuda Pro has a higher send-and-receive communication speed making it even more responsive to the demands of a host solution.

Easy to Mount.
Thanks to the mounting points in the base of the scanner, the FM431 Barracuda Pro is easy to fix and install. The dimensions are identical to the FM430 Series scanner, making it plug-and-play into existing designs in case upgrades are needed to take advantage of all the FM431 Barracuda Pro has to offer.

Suggested industries

Retail **Logistics** **Hospitality** **Industrial**

Data Capture

1D	All major 1D symbologies
2D	All major 2D symbologies
Image Sensor	1280*800 CMOS
Aiming	529nm green LED, 650nm red laser aimer
Illumination	3000K white LED
Resolution	1D: ≥3mil
Depth of Field EAN 13 (13mil)	55-460mm
Depth of Field Code 39 (5mil)	65-230mm
Depth of Field PDF417 (6.7mil)	55-190mm
Depth of Field DataMatrix (10mil)	50-230mm
Depth of Field QR (15mil)	40-310mm
Field of View Horizontal	51°
Field of View Vertical	32°
Scan Angle	Roll: 360°, Pitch: ±55°, Skew: ±55°
Minimal Print Contrast	25%

Physical

Current @ 5VDC Operating	258.5mA (typical), 400mA (max.)
Current @ 5VDC Standby	93.72mA
Dimensions (mm)	41.5(W) × 49.5 (D) × 24.3(H)
Input Voltage	5VDC ± 5%
Interfaces	RS-232, USB
Notifications	Beep, LED indicator
Weight	56g

Environmental

Ambient Light	0~100,000lux (natural light)
Operating Temperature	-20℃ to 60℃ (-4°F to 140°F)
Storage Temperature	-40℃ to 70℃ (-40°F to 158°F)
Humidity	5%~95% (non-condensing)
Electro Static Discharge (ESD)	±14 kV (air discharge), ±8 kV (direct discharge)
Drop	1.5m
IP Rating	IP54

Certifications

Hardware	FCC Part 15 Class B, CE EMC Class B, RoHS 2.0, IEC62471, IEC60825

Warranty

Standard	5 years

Feel free to contact us or a partner near you

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Specifications are subject to change without notice

Newland
SCANNING MADE SIMPLE