

Military Biometrics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 116 pages | Mordor Intelligence

AVAILABLE LICENSES:

- Single User License \$4750.00
- Team License (1-7 Users) \$5250.00
- Site License \$6500.00
- Corporate License \$8750.00

Report description:

The Military Biometrics Market size is estimated at USD 7.62 billion in 2025, and is expected to reach USD 10.34 billion by 2030, at a CAGR of 6.29% during the forecast period (2025-2030).

Biometric systems are pivotal in military settings, enabling swift identification in high-security zones. These systems handle access control, personnel movement monitoring, border security, and counterterrorism, bolstering operational efficiency and safety by limiting access to sensitive areas. With many nations significantly boosting their defense budgets, the adoption of advanced technologies, including biometrics, is rising. This financial backing is crucial for developing, testing, and deploying biometric solutions across various military branches.

Moreover, biometric databases housing susceptible data are prime targets for cyberattacks. Hackers exploit system susceptibilities to gain unauthorized access, potentially leading to massive data breaches. Consequently, the complexity and cost of implementing robust security measures in design and maintenance are significantly heightened, which hampers the market's growth.

Technological advancements such as the development of binocular-shaped biometric cameras for iris recognition may provide the military with quick individual identification opportunities. Advancements in computers and related technologies have made biometric recognition a highly automated process expected to drive the market's growth in the coming years.

Military Biometrics Market Trends

The Fingerprint Recognition Segment is Expected to Hold the Highest Share of the Market

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

The fingerprint recognition segment is poised to lead the market during the forecast period. This growth is fueled by the rising defense budgets of nations across the world and the escalating demand for biometric technologies in global defense forces. The primary goal is to ensure precise identity authentication, especially during intricate battlefield operations.

Biometrics is pivotal for global militaries, enabling secure access control to facilities, equipment, and IT systems and identifying potential threats in the field. Notably, advanced biometric solutions are most frequently used in defense and intelligence, primarily for identity verification and controlling access to military spaces.

In February 2024, the US-based company ROC unveiled its state-of-the-art latent fingerprint-matching software development kit. ROC underscored the software's potential for diverse applications, from law enforcement to border security and counterterrorism. Notably, ROC's software secured the third position in the NIST Evaluation of Latent Fingerprint Technologies (ELFT) database, boasting an impressive 15-second identity identification speed. With the global uptick in defense spending and the technological advancements driving the development of advanced fingerprint sensors, the fingerprint recognition segment is set for robust growth in the coming years.

North America is Expected to Dominate the Market During the Forecast Period

Increasing research investments by market players in North America, rising demand for advanced biometrics among defense personnel, and the imperative to enhance security capabilities are set to propel significant growth in the North American military biometrics market.

Biometrics, such as face authentication systems, are not only enhancing access control at army installations but also aiding in identifying individuals posing threats to friendly forces. The US Army notably utilized biometric technology in its operations in Afghanistan and Iraq, deploying biometric devices at checkpoints and with patrol units.

In September 2023, Leidos, a prominent science and technology firm, marked a milestone by successfully transitioning the Department of Defense's Automated Biometrics Information System (ABIS) to the cloud. This underscores the nation's push for advanced biometric solutions to bolster security and prevent unauthorized access.

With defense and security needs expanding and technology advancing, the North American military biometrics market is poised for substantial growth in the coming years.

Military Biometrics Industry Overview

The military biometrics market is characterized by a semi-consolidated landscape, with several major players commanding significant market shares. Notable among these are IDEMIA, Northrop Grumman Corporation, Leidos Holding Inc., THALES, and HID Global Corporation.

This sector's leading original equipment manufacturers (OEMs) are focusing on pioneering advanced biometric systems. These systems are increasingly vital for defense personnel, aiding them in executing intricate battlefield operations. For instance, THALES recently unveiled its cutting-edge Automated Fingerprint Identification System (AFIS). This system uses digital imaging technology to capture, store, and analyze fingerprint data. Its precision and speed make it an invaluable asset for law enforcement agencies and military units, enabling swift and accurate identification based on unique fingerprint patterns.

Additional Benefits:

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- The market estimate (ME) sheet in Excel format
- 3 months of analyst support

Table of Contents:

1 INTRODUCTION

- 1.1 Study Assumptions
- 1.2 Scope of the Study

2 RESEARCH METHODOLOGY

3 EXECUTIVE SUMMARY

4 MARKET DYNAMICS

- 4.1 Market Overview
- 4.2 Market Drivers
- 4.3 Market Restraints
- 4.4 Porter's Five Forces Analysis
 - 4.4.1 Bargaining Power of Suppliers
 - 4.4.2 Bargaining Power of Buyers/Consumers
 - 4.4.3 Threat of New Entrants
 - 4.4.4 Threat of Substitute Products
 - 4.4.5 Intensity of Competitive Rivalry

5 MARKET SEGMENTATION

- 5.1 Recognition Type
 - 5.1.1 Fingerprint Recognition
 - 5.1.2 Facial Recognition
 - 5.1.3 Iris Recognition
 - 5.1.4 Other Recognition Types
 - 5.1.4.1 DNA Recognition
 - 5.1.4.2 Finger Geometry Recognition
 - 5.1.4.3 Keystroke Recognition
 - 5.1.4.4 Signature Recognition
- 5.2 Geography
 - 5.2.1 North America
 - 5.2.1.1 United States
 - 5.2.1.2 Canada
 - 5.2.2 Europe
 - 5.2.2.1 United Kingdom
 - 5.2.2.2 Germany
 - 5.2.2.3 France
 - 5.2.2.4 Italy
 - 5.2.2.5 Rest of Europe
 - 5.2.3 Asia-Pacific
 - 5.2.3.1 China
 - 5.2.3.2 Japan
 - 5.2.3.3 India

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 5.2.3.4 South Korea
- 5.2.3.5 Rest of Asia-Pacific
- 5.2.4 Latin America
 - 5.2.4.1 Brazil
 - 5.2.4.2 Mexico
 - 5.2.4.3 Rest of Latin America
- 5.2.5 Middle East and Africa
 - 5.2.5.1 Saudi Arabia
 - 5.2.5.2 United Arab Emirates
 - 5.2.5.3 Qatar
 - 5.2.5.4 Rest of Middle East and Africa

6 COMPETITIVE LANDSCAPE

- 6.1 Vendor Market Share
- 6.2 Company Profiles
 - 6.2.1 Iritech Inc.
 - 6.2.2 M2SYS
 - 6.2.3 IDEMIA
 - 6.2.4 Aware Inc.
 - 6.2.5 Fulcrum Biometrics Inc.
 - 6.2.6 Northrop Grumman Corporation
 - 6.2.7 Leidos Holdings Inc.
 - 6.2.8 Corvus Integration Inc.
 - 6.2.9 HID Global Corporation
 - 6.2.10 NEC Corporation
 - 6.2.11 BIO-key International Inc.
 - 6.2.12 THALES

7 MARKET OPPORTUNITIES AND FUTURE TRENDS

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Military Biometrics - Market Share Analysis, Industry Trends & Statistics, Growth Forecasts (2025 - 2030)

Market Report | 2025-04-28 | 116 pages | Mordor Intelligence

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Single User License	\$4750.00
	Team License (1-7 Users)	\$5250.00
	Site License	\$6500.00
	Corporate License	\$8750.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-05"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com