

India Biometrics Market Report by Technology (Face Recognition, Hand Geometry, Voice Recognition, Signature recognition, Iris recognition, AFIS, Non-AFIS, and Others), Functionality (Contact, Non-contact, Combined), Authentication (Single-Factor Authentication, Multifactor Authentication), Component (Hardware, Software), End-User (Government, Defense Services, Banking and Finance, Consumer Electronics, Healthcare, Commercial Safety and Security, Transport/Visa/Logistics, and Others), and Region 2025-2033

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Report description:

The India biometrics market size reached INR 24,303.6 Crores in 2024. Looking forward, IMARC Group expects the market to reach INR 71,994.1 Crores by 2033, exhibiting a growth rate (CAGR) of 12.18% during 2025-2033.

Biometrics is the process using which an individual's unique physical and other traits can be recorded by an electronic device as a way to confirm identity. The market for biometrics in India has witnessed strong growth in recent years as a result of its increasing adoption across both government and private sectors. Consumers are increasingly adopting various biometric means such as fingerprint, facial, and voice recognition, to verify their identity as well as to make payments. The Indian government is also adopting biometric technologies for identification and verification of individuals in various e-Governance applications such as UIDAI (Aadhar), E-Passport, RSBY (Rashtriya Swasthya Bima Yojna), Driving License, etc. Some of the other factors driving the Indian biometrics market include rising number of smart phone users, improving internet connectivity, increasing security concerns, etc.

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Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the India biometrics market report, along with forecasts at the country and regional level from 2025-2033. Our report has categorized the market based on technology, functionality, authentication, component and end-user.

Breakup by Region:

- North India
- West and Central India
- South India
- East India

Breakup by Technology:

- Face Recognition
- Hand Geometry
- Voice Recognition
- Signature recognition
- Iris recognition
- AFIS
- Non-AFIS
- Others

Breakup by Functionality:

- Contact
- Non-contact
- Combined

Breakup by Authentication:

- Single-Factor Authentication
- Multifactor Authentication

Breakup by Component:

- Hardware
- Software

Breakup by End-User:

- Government
- Defense Services
- Banking and Finance
- Consumer Electronics
- Healthcare

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- Commercial Safety and Security
- Transport/Visa/Logistics
- Others

Value Chain Analysis

Key Drivers and Challenges

Porters Five Forces Analysis

PESTEL Analysis

Government Regulations

Competitive Landscape:

The report has also analysed the competitive landscape of the biometrics market with some of the key players being IDEMIA, Secugen India Pvt. Ltd., NEC Technologies India Pvt. Ltd, 4G Identity Solutions, HID Corporation, eSSL Security, 3M India Ltd, Honeywell International Inc., Zicom Saas Pvt. Ltd., and Matrix Comsec Pvt. Ltd.

This report provides a deep insight into the India biometrics market covering all its essential aspects. This ranges from macro overview of the market to micro details of the industry performance, recent trends, key market drivers and challenges, SWOT analysis, Porter's five forces analysis, value chain analysis, etc. This report is a must-read for biometrics manufacturers, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the India biometrics market in any manner.

Key Questions Answered in This Report

- 1.What was the size of the India biometrics market in 2024?
- 2.What is the expected growth rate of the India biometrics market during 2025-2033?
- 3.What are the key factors driving the India biometrics market?
- 4.What has been the impact of COVID-19 on the India biometrics market?
- 5.What is the breakup of the India biometrics market based on the technology?
- 6.What is the breakup of the India biometrics market based on the functionality?
- 7.What is the breakup of the India biometrics market based on the authentication?
- 8.What is the breakup of the India biometrics market based on the component?
- 9.What is the breakup of the India biometrics market based on the end-user?
- 10.What are the key regions in the India biometrics market?
- 11.Who are the key players/companies in the India biometrics market?

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