

Technology Landscape, Trends and Opportunities in the Global Automotive Biometric Identification Market

<https://marketpublishers.com/r/TF5B4EF9A174EN.html>

Date: March 2024

Pages: 150

Price: US\$ 4,850.00 (Single User License)

ID: TF5B4EF9A174EN

Abstracts

Get it in 2 to 4 weeks by ordering today

The technologies in automotive biometric identification have undergone significant change in recent years, with fingerprints and facial recognition. The rising wave of new technologies, such as finger vein recognition using pattern-recognition, and eye ball recognitions technologies are creating significant potential for automotive biometric identification in various vehicle platforms as it provides vehicle identification and authentication for various applications including vehicular access, ignition switch, vehicle immobilizer, rationalization, and health monitoring.

In this market, various technologies such as fingerprint, voice, iris, facial, gesture, and multimodal are used in passenger cars, light commercial vehicles, and heavy commercial vehicles. The growing focus on the development of autonomous vehicles, rising demand for vehicle safety and security, and rising adoption of advanced technologies, such as artificial intelligence and cloud connectivity in vehicles are creating opportunities for various automotive biometric identification technologies.

This report analyzes technology maturity, degree of disruption, competitive intensity, market potential, and other parameters of various technologies in the automotive biometric identification market. Some insights are depicted below by a sample figure. For more details on figures, the companies researched, and other objectives/benefits on this research report, please download the report brochure.

The study includes technology readiness, competitive intensity, regulatory compliance, disruption potential, trends, forecasts and strategic implications for the global automotive biometric identification technology by application, technology, and region as

follows:

Technology Readiness by Technology Type

Competitive Intensity and Regulatory Compliance

Disruption Potential by Technology Type

Trends and Forecasts by Technology Type [\$M shipment analysis from 2018 to 2030]:

Fingerprint

Voice

Iris

Facial

Gesture

Multimodal

Technology Trends and Forecasts by Application [\$M shipment analysis from 2018 to 2030]:

Passenger Cars

Fingerprint

Voice

Iris

Facial

Gesture

Multimodal

Light Commercial Vehicles

Fingerprint

Voice

Iris

Facial

Gesture

Multimodal

Heavy Commercial Vehicles

Fingerprint

Voice

Iris

Facial

Gesture

Multimodal

Technology Trends and Forecasts by Region [\$M shipment analysis for 2018
t%l%2030]:

North America

United States

Canada

Mexico

Europe

United Kingdom

Germany

France

Asia Pacific

Japan

China

South Korea

India

The Rest of the World

Latest Developments and Innovations in the Automotive Biometric Identification Technologies

Companies / Ecosystems

Strategic Opportunities by Technology Type

Some of the automotive biometric identification companies profiled in this report include Continental, Robert Bosch, Fujitsu, OSRAM Licht, Synaptics Incorporated, Precise Biometrics, Nuance Communications, Fingerprints Cards.

This report answers following 9 key questions:

Q.1 What are some of the most promising and high-growth technology opportunities for the automotive biometric identification market?

Q.2 Which technology will grow at a faster pace and why?

Q.3 What are the key factors affecting dynamics of different technologies? What are the drivers and challenges of these technologies in automotive biometric identification market?

Q.4 What are the levels of technology readiness, competitive intensity and regulatory compliance in this technology space?

Q.5 What are the new technology developments in automotive biometric identification market? Which companies are leading these developments?

Q.6 What are the latest developments in automotive biometric identification technologies? Which companies are leading these developments?

Q.7 Which technologies have potential of disruption in this market?

Q.8 Who are the major players in this automotive biometric identification market? What strategic initiatives are being implemented by key players for business growth?

Q.9 What are strategic growth opportunities in this automotive biometric identification technology space?

Contents

1. EXECUTIVE SUMMARY

2. TECHNOLOGY LANDSCAPE

- 2.1. Technology Background and Evolution
- 2.2. Technology and Application Mapping
- 2.3. Supply Chain

3. TECHNOLOGY READINESS

- 3.1. Technology Commercialization and Readiness
- 3.2. Drivers and Challenges in Automotive Biometric Identification Technologies
- 3.3. Competitive Intensity
- 3.4. Regulatory Compliance

4. TECHNOLOGY TRENDS AND FORECASTS ANALYSIS FROM 2018-2030

- 4.1. Automotive Biometric Identification Opportunity
- 4.2. Technology Trends (2018-2023) and Forecasts (2024-2030)
 - 4.2.1. Fingerprint
 - 4.2.2. Voice
 - 4.2.3. Iris
 - 4.2.4. Facial
 - 4.2.5. Gesture
 - 4.2.6. Multimodal
- 4.3. Technology Trends (2018-2023) and Forecasts (2024-2030) by Application Segments
 - 4.3.1. Passenger Cars
 - 4.3.1.1. Fingerprint
 - 4.3.1.2. Voice
 - 4.3.1.3. Iris
 - 4.3.1.4. Facial
 - 4.3.1.5. Gesture
 - 4.3.1.6. Multimodal
 - 4.3.2. Light Commercial Vehicles
 - 4.3.2.1. Fingerprint
 - 4.3.2.2. Voice

- 4.3.2.3. Iris
- 4.3.2.4. Facial
- 4.3.2.5. Gesture
- 4.3.2.6. Multimodal
- 4.3.3. Heavy Commercial Vehicles
 - 4.3.3.1. Fingerprint
 - 4.3.3.2. Voice
 - 4.3.3.3. Iris
 - 4.3.3.4. Facial
 - 4.3.3.5. Gesture
 - 4.3.3.6. Multimodal

5. TECHNOLOGY OPPORTUNITIES (2018-2030) BY REGION

- 5.1. Automotive Biometric Identification Market by Region
- 5.2. North American Automotive Biometric Identification Technology Market
 - 5.2.1. United States Automotive Biometric Identification Technology Market
 - 5.2.2. Canadian Automotive Biometric Identification Technology Market
 - 5.2.3. Mexican Automotive Biometric Identification Technology Market
- 5.3. European Automotive Biometric Identification Technology Market
 - 5.3.1. The United Kingdom Automotive Biometric Identification Technology Market
 - 5.3.2. German Automotive Biometric Identification Technology Market
 - 5.3.3. French Automotive Biometric Identification Technology Market
- 5.4. APAC Automotive Biometric Identification Technology Market
 - 5.4.1. Chinese Automotive Biometric Identification Technology Market
 - 5.4.2. Japanese Automotive Biometric Identification Technology Market
 - 5.4.3. Indian Automotive Biometric Identification Technology Market
 - 5.4.4. South Korean Automotive Biometric Identification Technology Market
- 5.5. ROW Automotive Biometric Identification Technology Market

6. LATEST DEVELOPMENTS AND INNOVATIONS IN THE AUTOMOTIVE BIOMETRIC IDENTIFICATION TECHNOLOGIES

7. COMPANIES / ECOSYSTEM

- 7.1. Product Portfolio Analysis
- 7.2. Market Share Analysis
- 7.3. Geographical Reach

8. STRATEGIC IMPLICATIONS

8.1. Implications

8.2. Growth Opportunity Analysis

8.2.1. Growth Opportunities for the Automotive Biometric Identification Market by Technology

8.2.2. Growth Opportunities for the Automotive Biometric Identification Market by Application

8.2.3. Growth Opportunities for the Automotive Biometric Identification Market by Region

8.3. Emerging Trends in the Automotive Biometric Identification Market

8.4. Disruption Potential

8.5. Strategic Analysis

8.5.1. New Product Development

8.5.2. Capacity Expansion of the Automotive Biometric Identification Market

8.5.3. Mergers, Acquisitions, and Joint Ventures in the Automotive Biometric Identification Market

9. COMPANY PROFILES OF LEADING PLAYERS

9.1. Continental

9.2. Robert Bosch

9.3. Fujitsu

9.4. OSRAM Licht

9.5. Synaptics Incorporated

9.6. Precise Biometrics

9.7. Nuance Communications

9.8. Fingerprints Cards

9.9. Methode Electronics, Inc.

9.10 .Safran S.A.

I would like to order

Product name: Technology Landscape, Trends and Opportunities in the Global Automotive Biometric Identification Market

Product link: <https://marketpublishers.com/r/TF5B4EF9A174EN.html>

Price: US\$ 4,850.00 (Single User License / Electronic Delivery)

If you want to order Corporate License or Hard Copy, please, contact our Customer Service:

info@marketpublishers.com

Payment

To pay by Credit Card (Visa, MasterCard, American Express, PayPal), please, click button on product page <https://marketpublishers.com/r/TF5B4EF9A174EN.html>

To pay by Wire Transfer, please, fill in your contact details in the form below:

First name:
Last name:
Email:
Company:
Address:
City:
Zip code:
Country:
Tel:
Fax:
Your message:

****All fields are required**

Customer signature _____

Please, note that by ordering from marketpublishers.com you are agreeing to our Terms & Conditions at <https://marketpublishers.com/docs/terms.html>

To place an order via fax simply print this form, fill in the information below and fax the completed form to +44 20 7900 3970

