

Facial Recognition Market Size, Share & Trends Analysis Report By Technology (2D, 3D, Facial Analytics), By Application (Access Control, Security & Surveillance), By End-use, By Region, And Segment Forecasts, 2021 - 2028

<https://marketpublishers.com/r/F580C4BFA1B9EN.html>

Date: May 2021

Pages: 92

Price: US\$ 4,950.00 (Single User License)

ID: F580C4BFA1B9EN

Abstracts

This report can be delivered to the clients within 72 Business Hours

Facial Recognition Market Growth & Trends

The global facial recognition market size is expected to reach USD 12.11 billion by 2028 according to a new report by Grand View Research, Inc. The market is anticipated to expand at a CAGR of 15.4% from 2021 to 2028. Facial recognition is a contactless biometric solution that is a critical factor contributing the market growth. Contactless solutions enable easy deployment in consumer devices. It is also effortless and convenient to use, further contributing to rising adoption. Apart from individual identities, the technology can gather demographic data on crowds; thus, increasing its usability. Such factors are anticipated to drive market growth.

Facial recognition is highly used for security and law enforcement applications, as it is led mainly by the need to combat terrorism and crime. For instance, in the U.S., 26 states permit law enforcement agencies to access facial recognition systems to perform searches against the databases of ID photos and driver's licenses, to find drug dealers, bank robbers, amongst others who have left behind the images on social media platforms. Also, facial recognition CCTV systems are being used to improve performance in conducting public security missions, such as find missing children or adults, identifying and tracking criminals, and accelerating investigations. Furthermore, the trend of KYC (Know-Your-Customer) has undoubtedly boosted the growth of facial

recognition in retail and marketing.

Facial recognition technology is being combined with the latest marketing advancements to improve customer experience. For instance, in April 2021, Sberbank, a Russian banking company, is expanding its footprints in food delivery, taxi services, cloud computing, and cybersecurity. For this, the company launched facial recognition payments known as face pay to make payments using at a glance pay option during checkout. Thus, offering a quick payment service compared to paying with cash or a payment card. Therefore, the market has a vast opportunity in different verticals, including security and surveillance, healthcare, retail, and transportation. For another instance, in June 2019, Ayonix Corporation launched its IP camera-embedded application, namely the AICam Platform. The application can execute high-performance face detection and matching. The company demonstrated this product at the annual security technology conference called ISC West.

3D recognition is a newly emerging trend in the market for facial recognition that aims to provide more accuracy and better authentication. 3D facial recognition uses the unique characteristics of an individual's face, such as the face curves, the shape of the nose, the chin, to identify the individual. With the introduction of 3D facial recognition, identification has taken a step toward recognizing an individual's face even if it is dark and can identify the person at different angles (up to 90 degrees). Although 2D face recognition has made significant progress over the years, its accuracy and authenticity are highly dependent on the conditions of light and individual poses. For instance, Ayonix Corporation (Japan) is a developer of 3D face recognition technologies. It uses an algorithm that converts 2D still images or videos into data, which is then analyzed to reconstruct faces in 3D form. It also has a patented 3D recognition engine that captures a facial image and identifies critical points at the eyes, nose, and mouth. Besides, it can identify age, gender, and person-specific features from the image and match them from the images stored in databases to generate a matching score between 0.0 and 0.1.

The Asia Pacific (APAC) region is estimated to project the highest growth rate in the market. This is due to the increased adoption of facial recognition technology in different verticals. For instance, in September 2019, NEC Corporation, Japan-based biometry solutions provider, announced a partnership with Seven Bank, Ltd., a Japanese Bank, to develop ATMs that incorporate facial recognition technology. In addition to facial recognition technology, other technologies used for the development of ATMs include Artificial Intelligence (AI), the Internet of Things (IoT), and QR codes. IoT and AI would help in detecting warning of component failures and predicting cash demand more accurately, which would further help in streamlining ATM operations.

Facial Recognition Market Report Highlights

End-use industries have started integrating facial recognition into their business processes to streamline their operations. Facial recognition technology is gaining momentum as it assists end-user organizations to become more efficient and result-oriented. The growing adoption of facial recognition is encouraging new entrants to venture into the marketplace by offering niche application-specific products and solutions

In terms of technology, the 3D segment captured the largest revenue share in 2020. The technology is gaining popularity due to its attributes such as border protection and surveillance, which makes them particularly suitable for high-security areas such as airports

The banking and financial services industry is one of the major verticals for the deployment of facial recognition technology as consumers are increasingly transitioning towards mobile banking. Financial institutions use facial-recognition software to provide an additional layer of security to mobile banking applications to authenticate users

Contents

CHAPTER 1 METHODOLOGY AND SCOPE

- 1.1 Information Procurement and Research Scope
- 1.2 Information Analysis
- 1.3 Market Formulation & Data Visualization
- 1.4 Market Scope and Assumptions
- 1.5 List of Data Sources

CHAPTER 2 EXECUTIVE SUMMARY

- 2.1 Market Outlook
- 2.2 Global Market Outlook
 - 2.2.1 Global Facial Recognition Market, By Region, 2017 - 2028 (USD Million)
 - 2.2.2 Global Facial Recognition Market, By Technology, 2017 - 2028 (USD Million)
 - 2.2.3 Global Facial Recognition Market, By Application, 2017 - 2028 (USD Million)
 - 2.2.4 Global Facial Recognition Market, By End-Use, 2017 - 2028 (USD Million)

CHAPTER 3 FACIAL RECOGNITION MARKET VARIABLES, TRENDS & SCOPE

- 3.1 Market Segmentation & Scope
- 3.2 Penetration & Growth Prospect Mapping (USD Million)
- 3.3 Value Chain Analysis
- 3.4 Market Dynamics
 - 3.4.1 Market Drivers
 - 3.4.1.1 Technological advancements such as 3D recognition systems and cloud-based solutions
 - 3.4.1.2 Growing adoption of face recognition in different verticals
 - 3.4.2 Market Restraint
 - 3.4.2.1 High implementation costs
- 3.5 Penetration & Key Opportunities Mapping
- 3.6 Technology Overview
- 3.7 Facial Recognition Market Analysis: Porters
 - 3.7.1 Competitive Rivalry: High
 - 3.7.2 Supplier Power: Low
 - 3.7.3 Buyer Power: Moderate
 - 3.7.4 Threat of Substitutes: Moderate
 - 3.7.5 Threat of New Entrant: High

3.8 PEST Analysis

3.8.1 Political Landscape

3.8.2 Economic Landscape

3.8.3 Social Landscape

3.8.4 Technology Landscape

3.9 Major Deals and Strategic Alliances

3.9.1 Mergers & Acquisitions, Collaborations & Partnership Scenario

3.10 COVID – 19 Impact Analysis

CHAPTER 4 FACIAL RECOGNITION MARKET: TECHNOLOGY ESTIMATES AND TREND ANALYSIS

4.1 Facial Recognition Market: Technology Movement Analysis

4.2 2D

4.2.1 Global 2D market estimates and forecast, 2017 - 2028 (USD Million)

4.3 3D

4.3.1 Global 3D market estimates and forecast, 2017 - 2028 (USD Million)

4.4 Facial Analytics

4.4.1 Global facial analytics market estimates and forecast, 2017 - 2028 (USD Million)

CHAPTER 5 FACIAL RECOGNITION MARKET: APPLICATION ESTIMATES AND TREND ANALYSIS

5.1 Facial Recognition Market: Application Movement Analysis

5.2 Emotion Recognition

5.2.1 Global emotion recognition market estimates and forecast, 2017 - 2028 (USD Million)

5.3 Attendance Tracking and Monitoring

5.3.1 Global attendance tracking and monitoring market estimates and forecast, 2017 - 2028 (USD Million)

5.4 Access Control

5.4.1 Global access control market estimates and forecast, 2017 - 2028 (USD Million)

5.5 Security & Surveillance

5.5.1 Global security & surveillance market estimates and forecast, 2017 - 2028 (USD Million)

5.6 Others

5.6.1 Global others market estimates and forecast, 2017 - 2028 (USD Million)

CHAPTER 6 FACIAL RECOGNITION MARKET: END-USE ESTIMATES AND TREND

ANALYSIS

6.1 Facial Recognition Market: End-Use Movement Analysis

6.2 Retail & E-commerce

6.2.1 Global retail & e-commerce market estimates and forecast, 2017 - 2028 (USD Million)

6.3 Media & Entertainment

6.3.1 Global media & entertainment market estimates and forecast, 2017 - 2028 (USD Million)

6.4 BFSI

6.4.1 Global BFSI market estimates and forecast, 2017 - 2028 (USD Million)

6.5 Automobile & Transportation

6.5.1 Global automobile & transportation market estimates and forecast, 2017 - 2028 (USD Million)

6.6 Telecom & IT

6.6.1 Global telecom & IT market estimates and forecast, 2017 - 2028 (USD Million)

6.7 Government

6.7.1 Global government market estimates and forecast, 2017 - 2028 (USD Million)

6.8 Healthcare

6.8.1 Global healthcare market estimates and forecast, 2017 - 2028 (USD Million)

6.9 Others

6.9.1 Global others market estimates and forecast, 2017 - 2028 (USD Million)

CHAPTER 7 FACIAL RECOGNITION MARKET: REGIONAL ESTIMATES AND TREND ANALYSIS

7.1 Facial Recognition Market: Regional Movement Analysis

7.2 Facial Recognition Market: Regional Outlook, 2019 & 2027

7.3 North America

7.3.1 North America marketplace: Regional trends

7.3.2 North America facial recognition market, by technology, 2017 - 2028 (USD Million)

7.3.3 North America facial recognition market, by application, 2017 - 2028 (USD Million)

7.3.4 North America facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.3.5 U.S.

7.3.5.1 U.S. facial recognition market, by technology, 2017 - 2028 (USD Million)

7.3.5.2 U.S. facial recognition market, by application, 2017 - 2028 (USD Million)

7.3.5.3 U.S. facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.3.6 Canada

7.3.6.1 Canada facial recognition market, by technology, 2017 - 2028 (USD Million)

7.3.6.2 Canada facial recognition market, by application, 2017 - 2028 (USD Million)

7.3.6.3 Canada facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.3.7 Mexico

7.3.7.1 Mexico facial recognition market, by technology, 2017 - 2028 (USD Million)

7.3.7.2 Mexico facial recognition market, by application, 2017 - 2028 (USD Million)

7.3.7.3 Mexico facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.4 Europe

7.4.1 Europe marketplace: Regional trends

7.4.2 Europe facial recognition market, by technology, 2017 - 2028 (USD Million)

7.4.3 Europe facial recognition market, by application, 2017 - 2028 (USD Million)

7.4.4 Europe facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.4.5 U.K.

7.4.5.1 U.K. facial recognition market, by technology, 2017 - 2028 (USD Million)

7.4.5.2 U.K. facial recognition market, by application, 2017 - 2028 (USD Million)

7.4.5.3 U.K. facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.4.6 Germany

7.4.6.1 Germany facial recognition market, by technology, 2017 - 2028 (USD Million)

7.4.6.2 Germany facial recognition market, by application, 2017 - 2028 (USD Million)

7.4.6.3 Germany facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.4.7 France

7.4.7.1 France facial recognition market, by technology, 2017 - 2028 (USD Million)

7.4.7.2 France facial recognition market, by application, 2017 - 2028 (USD Million)

7.4.7.3 France facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.5 Asia Pacific

7.5.1 Asia Pacific marketplace: Regional trends

7.5.2 Asia Pacific facial recognition market, by technology, 2017 - 2028 (USD Million)

7.5.3 Asia Pacific facial recognition market, by application, 2017 - 2028 (USD Million)

7.5.4 Asia Pacific facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.5.5 China

7.5.5.1 China facial recognition market, by technology, 2017 - 2028 (USD Million)

7.5.5.2 China facial recognition market, by application, 2017 - 2028 (USD Million)

7.5.5.3 China facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.5.6 Japan

7.5.6.1 Japan facial recognition market, by technology, 2017 - 2028 (USD Million)

7.5.6.2 Japan facial recognition market, by application, 2017 - 2028 (USD Million)

7.5.6.3 Japan facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.5.7 India

7.5.7.1 India facial recognition market, by technology, 2017 - 2028 (USD Million)

7.5.7.2 India facial recognition market, by application, 2017 - 2028 (USD Million)

7.5.7.3 India facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.6 South America

7.6.1 South America marketplace: Regional trends

7.6.2 South America facial recognition market, by technology, 2017 - 2028 (USD Million)

7.6.3 South America facial recognition market, by application, 2017 - 2028 (USD Million)

7.6.4 South America facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.6.5 Brazil

7.6.5.1 Brazil facial recognition market, by technology, 2017 - 2028 (USD Million)

7.6.5.2 Brazil facial recognition market, by application, 2017 - 2028 (USD Million)

7.6.5.3 Brazil facial recognition market, by end-use, 2017 - 2028 (USD Million)

7.7 Middle East and Africa (MEA)

7.7.1 MEA marketplace: Regional trends

7.7.2 MEA facial recognition market, by technology, 2017 - 2028 (USD Million)

7.7.3 MEA facial recognition market, by application, 2017 - 2028 (USD Million)

7.7.4 MEA facial recognition market, by end-use, 2017 - 2028 (USD Million)

CHAPTER 8 COMPETITIVE LANDSCAPE

8.1 Aware, Inc.

8.1.1 Company Overview

8.1.2 Financial Performance

8.1.3 Product Benchmarking

8.1.4 Strategic Initiatives

8.2 Ayonix Corporation

8.2.1 Company Overview

8.2.2 Product Benchmarking

8.2.3 Strategic Initiatives

8.3 Cognitec Systems GmbH

8.3.1 Company Overview

8.3.2 Product Benchmarking

8.3.3 Strategic Initiatives

8.4 FacePhi

8.4.1 Company Overview

8.4.2 Financial Performance

8.4.3 Product Benchmarking

- 8.4.4 Strategic Initiatives
- 8.5 Fujitsu
 - 8.5.1 Company Overview
 - 8.5.2 Financial Performance
 - 8.5.3 Product Benchmarking
 - 8.5.4 Strategic Initiatives
- 8.6 Gemalto NV
 - 8.6.1 Company Overview
 - 8.6.2 Financial Performance
 - 8.6.3 Product Benchmarking
 - 8.6.4 Strategic Initiatives
- 8.7 IDEMIA
 - 8.7.1 Company Overview
 - 8.7.2 Product Benchmarking
 - 8.7.3 Strategic Initiatives
- 8.8 NEC Corporation
 - 8.8.1 Company Overview
 - 8.8.2 Financial Performance
 - 8.8.3 Product Benchmarking
 - 8.8.4 Strategic Initiatives
- 8.9 Onfido
 - 8.9.1 Company Overview
 - 8.9.2 Product Benchmarking
 - 8.9.3 Strategic Initiatives
- 8.10 TECH5 SA
 - 8.10.1 Company Overview
 - 8.10.2 Product Benchmarking
 - 8.10.3 Strategic Initiatives

List Of Tables

LIST OF TABLES

- Table 1 Global facial recognition market, by region, 2017 - 2028 (USD Million)
- Table 2 Global facial recognition market, by technology, 2017 - 2028 (USD Million)
- Table 3 Global facial recognition market, by application, 2017 - 2028 (USD Million)
- Table 4 Global facial recognition market, by end-use, 2017 - 2028 (USD Million)
- Table 5 Key market driver impact
- Table 6 Key market restraint impact
- Table 7 Facial Recognition - M&A, Collaborations & Partnership Scenario
- Table 8 Global 2D market, by region, 2017 - 2028 (USD Million)
- Table 9 Global 3D market, by region, 2017 - 2028 (USD Million)
- Table 10 Global facial analytics market, by region, 2017 - 2028 (USD Million)
- Table 11 Global emotion recognition market, by region, 2017 - 2028 (USD Million)
- Table 12 Global attendance tracking and monitoring market, by region, 2017 - 2028 (USD Million)
- Table 13 Global access control market, by region, 2017 - 2028 (USD Million)
- Table 14 Global security & surveillance market, by region, 2017 - 2028 (USD Million)
- Table 15 Global others market, by region, 2017 - 2028 (USD Million)
- Table 16 Global retail & e-commerce market, by region, 2017 - 2028 (USD Million)
- Table 17 Global media & entertainment market, by region, 2017 - 2028 (USD Million)
- Table 18 Global BFSI market, by region, 2017 - 2028 (USD Million)
- Table 19 Global automobile & transportation market, by region, 2017 - 2028 (USD Million)
- Table 20 Global telecom & IT market, by region, 2017 - 2028 (USD Million)
- Table 21 Global government market, by region, 2017 - 2028 (USD Million)
- Table 22 Global healthcare market, by region, 2017 - 2028 (USD Million)
- Table 23 Global others market, by region, 2017 - 2028 (USD Million)
- Table 24 North America facial recognition market, by technology, 2017 - 2028 (USD Million)
- Table 25 North America facial recognition market, by application, 2017 - 2028 (USD Million)
- Table 26 North America facial recognition market, by end-use, 2017 - 2028 (USD Million)
- Table 27 U.S. facial recognition market, by technology, 2017 - 2028 (USD Million)
- Table 28 U.S. facial recognition market, by application, 2017 - 2028 (USD Million)
- Table 29 U.S. facial recognition market, by end-use, 2017 - 2028 (USD Million)
- Table 30 Canada facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 31 Canada facial recognition market, by application, 2017 - 2028 (USD Million)

Table 32 Canada facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 33 Mexico facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 34 Mexico facial recognition market, by application, 2017 - 2028 (USD Million)

Table 35 Mexico facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 36 Europe facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 37 Europe facial recognition market, by application, 2017 - 2028 (USD Million)

Table 38 Europe facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 39 U.K. facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 40 U.K. facial recognition market, by application, 2017 - 2028 (USD Million)

Table 41 U.K. facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 42 Germany facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 43 Germany facial recognition market, by application, 2017 - 2028 (USD Million)

Table 44 Germany facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 45 France facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 46 France facial recognition market, by application, 2017 - 2028 (USD Million)

Table 47 France facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 48 Asia Pacific facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 49 Asia Pacific facial recognition market, by application, 2017 - 2028 (USD Million)

Table 50 Asia Pacific facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 51 China facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 52 China facial recognition market, by application, 2017 - 2028 (USD Million)

Table 53 China facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 54 Japan facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 55 Japan facial recognition market, by application, 2017 - 2028 (USD Million)

Table 56 Japan facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 57 India facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 58 India facial recognition market, by application, 2017 - 2028 (USD Million)

Table 59 India facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 60 South America facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 61 South America facial recognition market, by application, 2017 - 2028 (USD Million)

Table 62 South America facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 63 Brazil facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 64 Brazil facial recognition market, by application, 2017 - 2028 (USD Million)

Table 65 Brazil facial recognition market, by end-use, 2017 - 2028 (USD Million)

Table 66 MEA facial recognition market, by technology, 2017 - 2028 (USD Million)

Table 67 MEA facial recognition market, by application, 2017 - 2028 (USD Million)

Table 68 MEA facial recognition market, by end-use, 2017 - 2028 (USD Million)

List Of Figures

LIST OF FIGURES

- Fig. 1 Research process
- Fig. 2 Market formulation
- Fig. 3 Facial recognition market segmentation
- Fig. 4 Penetration & growth prospect mapping (USD Million)
- Fig. 5 Value chain analysis
- Fig. 6 Market dynamics
- Fig. 7 Penetration & key opportunities mapping
- Fig. 8 Facial recognition market share by technology, 2020 & 2028 (USD Million)
- Fig. 9 Facial recognition market share by application, 2020 & 2028 (USD Million)
- Fig. 10 Facial recognition market share by end-use, 2020 & 2028 (USD Million)
- Fig. 11 Facial recognition market: Regional movement analysis, 2020 & 2028
- Fig. 12 Facial recognition market share by region, 2020 & 2028 (USD Million)
- Fig. 13 North America marketplace: Regional trends
- Fig. 14 Europe marketplace: Regional trends
- Fig. 15 Asia Pacific marketplace: Regional trends
- Fig. 16 South America marketplace: Regional trends
- Fig. 17 MEA marketplace: Regional trends

I would like to order

Product name: Facial Recognition Market Size, Share & Trends Analysis Report By Technology (2D, 3D, Facial Analytics), By Application (Access Control, Security & Surveillance), By End-use, By Region, And Segment Forecasts, 2021 - 2028

Product link: <https://marketpublishers.com/r/F580C4BFA1B9EN.html>

Price: US\$ 4,950.00 (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/F580C4BFA1B9EN.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