

Biometrics Extended by Affective Computing: Technologies and Global Markets

<https://marketpublishers.com/r/B36DFFF59276EN.html>

Date: May 2022

Pages: 200

Price: US\$ 5,500.00 (Single User License)

ID: B36DFFF59276EN

Abstracts

Report Scope:

This report studies the global as well as regional markets for biometric technologies and devices, identifying newer markets and exploring the expansion of the current application market for various types of biometric devices. A realistic five-year forecast has been made for the future global markets for different types of biometric technologies and devices. The applications for each type of biometric technology are discussed to establish global as well as regional usage. A future forecast has been made for such applications.

The market is divided on the basis of biometric technologies including fingerprint, face recognition, iris recognition, vein recognition, voice/speech recognition, and others. Applications for the market are segmented into identification, access control, and security. The present biometrics market offers an opportunity to stakeholders largely because of a surge in biometric software services and the increased use of the internet for digital identification.

This report highlights different types of biometrics, which include contact-based and contactless biometrics. In addition, the report also offers a major regional analysis of North America, Europe, Asia-Pacific, the Middle East, and Africa. The estimated and forecast market revenue considered in this report is the summation of prices for software, hardware, and subscription services.

The report also studies the product and technology life cycles of various types of biometric devices and the methods employed by different manufacturers and users in maintaining ecological balance. Also discussed are the several types of recently

developed biometric technologies that are becoming more popular in various applications. The report also profiles the major manufacturers and suppliers of biometric devices and looks at the mergers and acquisitions in this field.

COVID-19 has had a massive impact on society since the start of 2020. This report considers the impact of COVID-19 and the economic slowdown it created. With people relying more on technology, cyberattacks have increased. It is expected that the demand for biometrics solutions will increase and boost the biometrics market.

This report has been prepared in a simple easy-to-understand format, with a number of tables and charts/figures. The scope of the report includes a detailed study of global and regional markets for various types of biometric devices, with reasons given for variations in the growth of the industry in certain regions. The report examines each type of biometric technology, determines its current market size, and estimates its future market. The report also analyzes the market from the manufacturers' viewpoint as well as that of the final consumer. A number of technical issues arising out of the utilization of biometric technologies are discussed, and solutions are indicated. The use of biometric technologies in government and public sector institutions is discussed in detail, along with the markets for these sectors.

Report Includes:

43 data tables and 10 additional tables

An up-to-date overview and analysis of the global markets for biometrics technologies and devices

Analyses of the global market trends, with data from 2020-2021, estimates for 2022 and 2024, and projections of compound annual growth rates (CAGRs) through 2026

Evaluation and forecast the global/regional market size for biometrics, and corresponding market share analysis by biometrics type, technology, application, end user, and geographic region

In-depth information (facts and figures) concerning market drivers, challenges and issues, and other macroeconomic forces influencing the progress of global biometrics market

Insight into the recent government regulations, current trends and technological updates in biometrics and affective computing technologies that can shape the future marketplace

Review of the patent grants and innovations covering biometrics and affective computing technologies across each major category

Latest information on key merger and acquisition deals, agreements and collaborations within the global biometrics industry

Company profiles of major players, including Aratek Biometrics Technology Co. Ltd, ASSA abloy AB, Fingerprint cards AB, Fujitsu Ltd.

Contents

CHAPTER 1 INTRODUCTION

Introduction
Study Goals and Objectives
Reasons for Doing This Study
What's New in this Update?
Research Methodology
Intended Audience
Scope of Report
Geographic Breakdown
Analyst's Credentials
BCC Custom Research
Related BCC Research Reports

CHAPTER 2 SUMMARY AND HIGHLIGHTS

CHAPTER 3 TECHNOLOGY BACKGROUND AND OVERVIEW

Overview of Biometric Technology
Basics of Biometric Technologies
Key Elements of Biometric Systems
Biometric Software
Biometric Technologies
Government Regulations
Biometric Standards
Biometrics Standards Development
Organizations Involved in Biometrics Standards
History of Biometric Technologies
Market Dynamics
Market Drivers
Market Restraints
Market Opportunities
Market Challenges
Impact of COVID-19
Porter's Five Forces Analysis
Bargaining Power of Buyers
Bargaining Power of Suppliers

Threat from Substitutes
Threat from New Entrants
Competitive Rivalry

CHAPTER 4 MARKET BREAKDOWN BY TECHNOLOGY

Introduction
Fingerprint Recognition Technology
Regional Markets for Fingerprint Recognition Technology
Facial Recognition Technology
Regional Markets for Facial Recognition Technology
Iris Recognition Technology
Regional Markets for Iris Recognition Technology
Voice/Speech Recognition Technology
Regional Markets for Voice/Speech Recognition Technology
Vein Recognition Technology
Regional Markets for Vein Recognition Technology
Signature Recognition Technology
Regional Markets for Signature Recognition Technology
Hand Geometry Technology
Regional Markets for Hand Geometry Technology
Emerging Biometric Technologies
Regional Markets for Emerging Biometric Technologies
Affective Computing Biometric Technology
Gait Recognition
Palm-Print Recognition
Skin Spectroscopy
DNA Recognition
Olfactory Recognition
Ear Shape Recognition
Facial Thermography

CHAPTER 5 MARKET BREAKDOWN BY BIOMETRICS TYPE

Introduction
Contact-based Biometrics
Regional Markets for Contact-based Biometrics
Contactless Biometrics
Regional Markets for Contactless Biometrics

CHAPTER 6 MARKET BREAKDOWN BY END USER

Introduction

Government Sector

Government Departmental Services

Police and Law Enforcement Services

Military and Border Control Services

Regional Markets for Biometrics in the Government Sector

Private Sector

Airport/Seaport

BFSI

Retail

Gaming/Hospitality

Healthcare

Others

Regional Markets for the Private Sector

Individual Consumers

Regional Markets for Individual Consumers

CHAPTER 7 MARKET BREAKDOWN BY APPLICATION

Introduction

Identification

Regional Markets for Identification Biometrics

Access Control

Regional Markets for Access Control Biometrics

Surveillance

Regional Markets for Surveillance Biometrics

CHAPTER 8 MARKET BREAKDOWN BY REGION

Introduction

North American Market Outlook

North American Market by Country

North America Market by Segment

European Market Outlook

European Market by Country

European Market by Segment

Asia-Pacific Market Outlook
Asia-Pacific Market by Country
Asia-Pacific Market by Segment
Rest of World (RoW) Market Outlook
Rest of the World Market by Subregion
Rest of the World Market by Segment

CHAPTER 9 COMPETITIVE LANDSCAPE

Analysis of Competition within the Biometric Industry
Industry Issues to be Resolved
Acquisitions and Mergers in Biometric Industry
Patent Analysis
New Developments in Biometric Technology and Applications

CHAPTER 10 COMPANY PROFILES

01 SYSTEMS W.L.L
4G IDENTITY SOLUTIONS PRIVATE LTD. (4GID)
ACCU-TIME SYSTEMS INC.
ACUITY SYSTEMS INC.
AFFECTIVA
ALLTRUST NETWORKS
ANIMETRICS INC.
ANVIZ GLOBAL INC.
APPLE INC.
ARATEK BIOMETRICS TECHNOLOGY CO. LTD.
ASCERTIA LTD.
ASSA ABLOY AB
ATOS SE
ATR SYSTEMS INC.
AUDEERING GMBH
AURAYA SYSTEMS
AWARE INC.
AYONIX
BARSKA BIOMETRICS
BAYOMETRIC
BEHAVIOSEC INC.
BIOCATCH LTD.

BIOCONNECT INC.
BIODIT LTD.
BIOENABLE TECHNOLOGIES PVT., LTD.
BIO-GATE AG
BIOID GMBH
BIO-KEY INTERNATIONAL INC.
BIOLINK SOLUTIONS
BIOMETRIC SIGNATURE-ID
BIOMETRICA SYSTEMS INC.
BIORUGGED
CANON EUROPE LTD.
CASHFLOWS EUROPE LTD.
CAUSEWAY TECHNOLOGIES (FORMERLY AURORA COMPUTER SERVICES)
CERTIFY GLOBAL INC.
CMITECH CO., LTD.
COGNITEC SYSTEMS GMBH
COMMUNICATION INTELLIGENCE CORP.
CREDENCE ID
CROSS MATCH TECHNOLOGIES
CRUCIAL TEC CO. LTD.
DAON INC.
DEEPNET SECURITY
DERMALOG IDENTIFICATION SYSTEMS GMBH
DESCARTES BIOMETRICS
DIAMOND FORTRESS TECHNOLOGIES
DIGITUS BIOMETRICS INC.
EGIS TECHNOLOGY INC.
EKEY BIOMETRIC SYSTEMS GMBH
ESSL SECURITY
EYELOCK INC.
FACEBANX
FACEFIRST LLC
FACEPHI
FUJITSU LTD.
FACE TEC LTD.
FAIR, ISAAC AND COMPANY
FINGERPRINT CARDS AB
FOTONATION INC.
FUTRONIC TECHNOLOGY CO. LTD.

GOODIX TECHNOLOGY INC.
GRIAULE BIOMETRICS
HERTA SECURITY S.L.
HID GLOBAL
HITACHI LTD.
HONEYWELL COMMERCIAL SECURITY
HUMAN RECOGNITION SYSTEMS
IDEMIA
IDENTIV
IDENTIMETRICS INC.
IDENTYTECH SOLUTIONS AMERICA LLC
IDEX BIOMETRICS ASA
IDLINK SYSTEMS PTE. LTD.
IEVO LTD.
IMAGEWARE SYSTEMS INC.
INNOVATRICS S.R.O.
JOHNSON CONTROLS
JUMIO CORP.
LOCKHEED MARTIN CORP.
NEC CORP. OF AMERICA
NEUROTECHNOLOGY
NUANCE COMMUNICATIONS INC.
ONEVAULT
ONFIDO
PLURILOCK SECURITY SOLUTIONS INC.
PRECISE BIOMETRICS AB
GESTURETEK
SPEED IDENTITY AB
STANLEY BLACK & DECKER
STERLING IDENTITY
SUPREMA INC.
THALES GROUP
GLOBAL ENTERPRISE TECHNOLOGIES CORP.
TOUCHLESS BIOMETRIC SYSTEMS AG
VOICEPIN
ZETES INDUSTRIES SA/NV
ZKTECO
ZWIPE AS

CHAPTER 11 APPENDIX: ACRONYMS

List Of Tables

LIST OF TABLES

Summary Table: Global Market for Biometrics, by Biometrics Type, Through 2026

Table 1: Current and Upcoming Biometric Technologies

Table 2: Global Market for Biometrics, by Technology, Through 2026

Table 3: Advantages, Disadvantages, and Applications of Fingerprint Recognition Technology

Table 4: Global Market for Fingerprint Recognition Technology in Biometrics, by Region, Through 2026

Table 5: Advantages, Disadvantages, and Applications of Facial Recognition Technology

Table 6: Global Market for Facial Recognition Technology in Biometrics, by Region, Through 2026

Table 7: Advantages, Disadvantages, and Applications of Iris Recognition Technology

Table 8: Global Market for Iris Recognition Technology in Biometrics, by Region, Through 2026

Table 9: Advantages, Disadvantages, and Applications of Voice/Speech Recognition Technology

Table 10: Global Market for Voice/Speech Recognition Technology in Biometrics, by Region, Through 2026

Table 11: Advantages, Disadvantages, and Applications of Vein Recognition Technology

Table 12: Global Market for Vein Recognition Technology in Biometrics, by Region, Through 2026

Table 13: Advantages, Disadvantages, and Applications of Signature Recognition Technology

Table 14: Global Market for Signature Recognition Technology in Biometrics, by Region, Through 2026

Table 15: Advantages, Disadvantages, and Applications of Hand Geometry Recognition Technology

Table 16: Global Market for Hand Geometry Technology in Biometrics, by Region, Through 2026

Table 17: Global Market for Emerging Biometric Technologies in Biometrics, by Region, Through 2026

Table 18: Global Market for Affective Computing in Biometrics, by Region, Through 2026

Table 19: Global Market for Biometrics, by Biometrics Type, Through 2026

Table 20: Global Market for Contact-based Biometrics, by Region, Through 2026

Table 21: The competitive rivalry among the industry leaders is rather intense, especially between the global players, including Fujitsu, Thales, Aware, Nuance Communications, and others. These companies are launching various product innovations in the international market and strengthening their footprint worldwide. Therefore, competitive rivalry in the market is high.

Table 22: Global Market for Biometrics, by End User, Through 2026

Table 23: Global Market for Biometrics in the Government Sector, by Region, Through 2026

Table 24: Global Market for Biometrics in the Private Sector, by Region, Through 2026

Table 25: Global Market for Biometrics in Individual Consumer End Uses, by Region, Through 2026

Table 26: Global Market for Biometrics, by Application, Through 2026

Table 27: Global Market for Identification Biometrics, by Region, Through 2026

Table 28: Global Market for Access Control Biometrics, by Region, Through 2026

Table 29: Global Market for Surveillance Biometrics, by Region, Through 2026

Table 30: Global Market for Biometrics, by Region, Through 2026

Table 31: North American Market for Biometrics, by Country, Through 2026

Table 32: North American Market for Biometrics, by Technology, Through 2026

Table 33: North American Market for Biometrics, by Biometrics Type, Through 2026

Table 34: North American Market for Biometrics, by End User, Through 2026

Table 35: North American Market for Biometrics, by Application, Through 2026

Table 36: European Market for Biometrics, by Country, Through 2026

Table 37: European Market for Biometrics, by Technology, Through 2026

Table 38: European Market for Biometrics, by Biometrics Type, Through 2026

Table 39: European Market for Biometrics, by End User, Through 2026

Table 40: European Market for Biometrics, by Application, Through 2026

Table 41: Asia-Pacific Market for Biometrics, by Country, Through 2026

Table 42: Asia-Pacific Market for Biometrics, by Technology, Through 2026

Table 43: Asia-Pacific Market for Biometrics, by Biometrics Type, Through 2026

Table 44: Asia-Pacific Market for Biometrics, by End User, Through 2026

Table 45: Asia-Pacific Market for Biometrics, by Application, Through 2026

Table 46: Rest of the World Market for Biometrics, by Subregion, Through 2026

Table 47: Rest of the World Market for Biometrics, by Technology, Through 2026

Table 48: Rest of the World Market for Biometrics, by Biometrics Type, Through 2026

Table 49: Rest of the World Market for Biometrics, by End User, Through 2026

Table 50: Rest of the World Market for Biometrics, by Application, Through 2026

Table 51: Acquisitions and Mergers in the Biometrics Industry, Jan. 2019–Mar. 2022

Table 52: Acronyms Used in This Report

List Of Figures

LIST OF FIGURES

Figure A: Research Methodology

Summary Figure: Global Market Share for Biometrics, by Technology, 2020

Figure 1: Market Dynamics

Figure 2: Impact of COVID-19 on the Global Biometrics Market

Figure 3: Porter's Five Forces Analysis

Figure 4: Global Market Shares of Biometrics, by Technology, 2020

Figure 5: Global Market Shares of Fingerprint Recognition Technology in Biometrics, by Region, 2020

Figure 6: Global Market Shares of Facial Recognition Technology in Biometrics, by Region, 2020

Figure 7: Global Market Shares of Iris Recognition Technology in Biometrics, by Region, 2020

Figure 8: Global Market Shares of Voice/Speech Recognition Technology in Biometrics, by Region, 2020

Figure 9: Global Market Shares of Vein Recognition Technology in Biometrics, by Region, 2020

Figure 10: Global Market Shares of Signature Recognition Technology in Biometrics, by Region, 2020

Figure 11: Global Market Shares of Hand Geometry Technology in Biometrics, by Region, 2020

Figure 12: Global Market Shares of Emerging Biometric Technologies in Biometrics, by Region, 2020

Figure 13: Global Market Shares of Affective Computing in Biometrics, by Region, 2020

Figure 14: Global Market Shares of Biometrics, by Biometrics Type, 2020

Figure 15: Global Market Shares of Contact-based Biometrics, by Region, 2020

Figure 16: Global Market Shares of Contactless Biometrics, by Region, 2020

Figure 17: Global Market Shares of Biometrics, by End User, 2020

Figure 18: Global Market Shares of Biometrics in the Government Sector, by Region, 2020

Figure 19: Global Market Shares of Biometrics in the Private Sector, by Region, 2020

Figure 20: Global Market Shares of Biometrics in Individual Consumer End Uses, by Region, 2020

Figure 21: Global Market Shares of Biometrics, by End Use, 2020

Figure 22: Global Market Shares of Identification Biometrics, by Region, 2020

Figure 23: Global Market Shares of Access Control Biometrics, by Region, 2020

- Figure 24: Global Market Shares of Surveillance Biometrics, by Region, 2020
- Figure 25: Global Biometrics Market Shares, by Region, 2020
- Figure 26: North American Market Shares of Biometrics, by Country, 2020
- Figure 27: North American Market Shares of Biometrics, by Technology, 2020
- Figure 28: North American Market Shares of Biometrics, by Biometrics Type, 2020
- Figure 29: North American Market Shares of Biometrics, by End User, 2020
- Figure 30: North American Market Shares of Biometrics, by Application, 2020
- Figure 31: European Market Shares of Biometrics, by Country, 2020
- Figure 32: European Market Shares of Biometrics, by Technology, 2020
- Figure 33: European Market Shares of Biometrics, by Biometrics Type, 2020
- Figure 34: European Market Shares of Biometrics, by End User, 2020
- Figure 35: European Market Shares of Biometrics, by Application, 2020
- Figure 36: Asia-Pacific Market Shares of Biometrics, by Country, 2020
- Figure 37: Asia-Pacific Market Shares of Biometrics, by Technology, 2020
- Figure 38: Asia-Pacific Market Shares of Biometrics, by Biometrics Type, 2020
- Figure 39: Asia-Pacific Market Shares of Biometrics, by End User, 2020
- Figure 40: Asia-Pacific Market Shares of Biometrics, by Application, 2020
- Figure 41: Rest of the World Market Shares of Biometrics, by Subregion, 2020
- Figure 42: Rest of the World Market Shares of Biometrics, by Technology, 2020
- Figure 43: Rest of the World Market Shares of Biometrics, by Biometrics Type, 2020
- Figure 44: Rest of the World Market Shares of Biometrics, by End User, 2020
- Figure 45: Rest of the World Market Shares of Biometrics, by Application, 2020
- Figure 46: Patents and Patent Applications on Biometrics Technologies, 2017–2021
- Figure 47: Top Applicant Companies for Biometrics Patents, Through March 2022

I would like to order

Product name: Biometrics Extended by Affective Computing: Technologies and Global Markets

Product link: <https://marketpublishers.com/r/B36DFFF59276EN.html>

Price: US\$ 5,500.00 (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/B36DFFF59276EN.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