

Biometric Technologies & Market – Focus on Europe – 2017-2022

<https://marketpublishers.com/r/B56273DBFD2EN.html>

Date: March 2017

Pages: 169

Price: US\$ 3,950.00 (Single User License)

ID: B56273DBFD2EN

Abstracts

April 2017 Edition, Pages: 169, Tables & Figures: 75. 2016-2022 Market CAGR 9.7%. Biometric Technologies & Market – Focus on Europe – 2017-2022 Establishing identity is becoming critical in the European vastly interconnected society. The need for reliable user authentication techniques has increased due to information security requirements, privacy concerns and rapid advancements in networking, communication and mobility systems. Extensive demands and deployments of biometrics are observed in airports, immigration enforcement, law enforcement, secure access control, commercial and forensic applications. Biometrics has started to gain acceptance as a legitimate method for determining an individual's identity in many countries. According to HSRC's "Biometric Technologies & Market – Focus on Europe – 2017-2022" report, the European Biometric market (including systems sales, aftersales service and upgrades) is forecasted to grow by 92% during the report period. The report presents:

A. Market data – analyzed via 2 independent key perspectives: . With a highly-fragmented market, we address the "money trail" (each dollar spent is analyzed and crosschecked via 2 orthogonal viewpoints): 18 national markets: . UK France Netherlands Belgium Sweden Norway Finland Denmark Germany Austria Switzerland Italy Spain Poland Hungary Czech Republic Russia Rest of Europe. 3 Revenue source markets: . Products sales Aftersales revenues (maintenance & upgrades) Other revenues (consulting, planning, training, contracted services and government funded R&D)

B. Detailed market analysis: . Biometrics market drivers & inhibitors. Market business opportunities. SWOT analysis. Competitive analysis. Biometrics business environment. The 2015-2022 market

C. Biometric technologies, including: . Facial recognition. Iris recognition. Voice recognition. Multimodal biometrics. Fingerprint recognition. Dynamic signature verification. Hand geometry. Palm recognition. Vein/vascular recognition. Gait recognition. DNA recognition

D. Biometric homeland security & immigration enforcement applications

E. Key Biometric vendors

The report includes the following appendices: . Appendix A:

European Homeland Security & Public Safety Related Product Standards. Appendix B: The European Union Challenges and Outlook. Appendix C: Europe Migration Crisis & Border Security. Appendix D: Abbreviations. This Biometric Technologies & Market – Focus on Europe – 2017-2022 report is a valuable resource for executives with interests in the industry. It has been explicitly customized for industry and decision-makers to identify business opportunities, emerging technologies, market trends and risks, as well as to benchmark business plans. Questions answered in this 169-page report include: What will the market size be in 2017-2022?. What are the main Biometric technologies trends?. Where and what are the Biometric market opportunities?. What are the Biometric market drivers and inhibitors?. What are the challenges to the Biometric market?The Biometric Technologies & Market – Focus on Europe – 2017-2022 report presents in 169 pages, 27 tables and 48 figures, analysis of current situation in this market. This report, granulated into 36 national and revenue source submarkets, provides for each submarket 2015-2016 data and assessments, and 2017-2022 forecasts and analyses.

Contents

1 EXECUTIVE SUMMARY

2 SCOPE

3 EUROPEAN BIOMETRICS MARKET BACKGROUND

- 3.1 The European Biometric Market Overview
- 3.2 Biometric ID in European Countries
- 3.3 European Biometric Border Control & Immigration Enforcement
- 3.4 Terrorist Watch Lists
- 3.5 Biometrics Standards and Legislation
- 3.6 Homeland Security & Immigration Enforcement Applications
 - 3.6.1 Overview
 - 3.6.2 Multi-biometrics for Border Control
 - 3.6.3 Biometrics for Banking
 - 3.6.4 Biometrics for Digital Security
- 3.7 Key Biometrics Vendors

4 BIOMETRIC TECHNOLOGIES AND SYSTEMS

- 4.1 Biometric Technologies
 - 4.1.1 Review of Biometric Technologies
 - 4.1.2 Fingerprint Recognition
 - 4.1.3 Facial Recognition
 - 4.1.4 Iris Recognition
 - 4.1.5 Hand Geometry
 - 4.1.6 Voice Verification
 - 4.1.7 Signature Recognition
 - 4.1.8 Keystroke Recognition
 - 4.1.9 Palm Recognition
 - 4.1.10 Vein and Vascular Recognition
 - 4.1.11 Multimodal Biometric Systems
 - 4.1.12 Fused Remote Video Surveillance and Biometric Technology
 - 4.1.13 Fused Multi-modal Biometric Remote People Screening Portals
 - 4.1.14 Advantages of Biometric Identification
 - 4.1.15 Technological Approaches
 - 4.1.16 Biometric System Components

- 4.2 Biometric Systems: Performance Valuation
 - 4.2.1 Receiver Operating Characteristic (ROC) Evaluation
 - 4.2.2 Technology Assessment
 - 4.2.3 Situation Assessment
 - 4.2.4 Working Assessment
- 4.3 Remote Biometric Identification Technologies
- 4.4 Pipeline Biometric Technologies
 - 4.4.1 Facial Thermography Biometrics
 - 4.4.2 DNA Recognition Biometrics
 - 4.4.3 Gait Recognition Biometrics
 - 4.4.4 Odor Biometrics
 - 4.4.5 Nail-bed Recognition Biometrics
 - 4.4.6 Skin Reflectivity Biometrics
 - 4.4.7 Ear Shape Recognition Biometrics
 - 4.4.8 Lip Movement Recognition Biometrics

5 BIOMETRICS: BUSINESS OPPORTUNITIES & CHALLENGES

6 BARRIERS TO NEW ENTRY, SUPPLIER POWER, BUYER POWER AND BARRIERS TO SUBSTITUTION

7 BIOMETRICS HOMELAND SECURITY & PUBLIC SAFETY INDUSTRY: SWOT ANALYSIS

- 7.1 Strengths
- 7.2 Weaknesses
- 7.3 Opportunities
- 7.4 Threats

8 BIOMETRICS MARKET DRIVERS

9 BIOMETRICS MARKET INHIBITORS

10 EUROPEAN COUNTER TERROR, COUNTER CRIME & IMMIGRATION ENFORCEMENT BIOMETRICS MARKET – 2015-2022

- 10.1 2015-2016 National Markets & 2017-2022 Forecast
 - 10.1.1 Market Breakdown by Country - 2015-2022
- 10.2 Market by Revenue Source – 2015-2022

- 10.2.1 2015-2016 Market & 2017-2022 Forecast
- 10.2.2 Market Breakdown by Revenue Source - 2015-2022

11 NATIONAL BIOMETRICS MARKETS – 2015-2022

- 11.1 The U.K. Biometrics Technologies Market – 2015-2022
 - 11.1.1 UK Biometric Passport
 - 11.1.2 UK National Biometric ID card
 - 11.1.3 The UK Foreign Nationals Biometric Cards
 - 11.1.4 Market Size & Dynamics
 - 11.1.5 Market Breakdown
- 11.2 France Biometrics Market – 2015-2022
 - 11.2.1 Market Size & Dynamics - 2015-2022
 - 11.2.2 Market Breakdown
- 11.3 Belgium Biometrics Market – 2015-2022
 - 11.3.1 Market Size & Dynamics - 2015-2022
 - 11.3.2 Market Breakdown
- 11.4 Sweden, Norway, Finland & Denmark Biometrics Technologies Market – 2015-2022
- 11.5 Germany Biometrics Technologies Market – 2015-2022
- 11.6 Austria & Switzerland: Biometrics Technologies Market – 2015-2022
- 11.7 Italy Biometrics Technologies Market – 2015-2022
- 11.8 Spain Biometrics Technologies Market – 2015-2022
- 11.9 Poland Biometrics Technologies Market – 2015-2022
- 11.10 Hungary & Czech Republic: Biometrics Technologies Market – 2015-2022
- 11.11 Russia Biometrics Technologies Market – 2015-2022
- 11.12 Rest of Europe: Biometrics Technologies Market – 2015-2022

12 APPENDIX A: EUROPEAN HOMELAND SECURITY & PUBLIC SAFETY RELATED PRODUCT STANDARDS

- 12.1 European Committee for Standardization (CEN)
- 12.2 European Homeland Security and Public Safety Standards
- 12.3 EU Buildings & Perimeter Security Standards & Specifications

13 APPENDIX B: THE EUROPEAN UNION CHALLENGES AND OUTLOOK

- 13.1 Summary
- 13.2 The EU Economy

- 13.3 Anti-EU Trends
- 13.4 The EU Frail Leadership and Poor Strategic Vision
- 13.5 Migration and Refugee Crisis
- 13.6 European Security Worries
- 13.7 Terrorism
- 13.8 EU Future Scenarios

14 APPENDIX C: EUROPE MIGRATION CRISIS & BORDER SECURITY

- 14.1 Introduction
- 14.2 EU Migration: Background
- 14.3 The European Borders Security
 - 14.3.1 Introduction
 - 14.3.2 The Schengen Area
 - 14.3.3 The European Integrated Border Management System (IBM)
 - 14.3.4 The EU Smart Borders Initiative
 - 14.3.5 The Schengen Zone: Passenger Name Record (PNR) System Outlook
 - 14.3.6 Temporary Reintroduction of Border Control
- 14.4 European Smart & Secure Border Market

15 APPENDIX D: ABBREVIATIONS

16 SCOPE, METHODOLOGY & DISCLAIMER

- 16.1 Research Scope
- 16.2 Research Methodology

17 DISCLAIMER & COPYRIGHT

Tables

TABLES

Table 1 European Counter Terror, Counter Crime & Immigration Enforcement Biometrics Security Market [\$M] by Country - 2015-2022

Table 2 European Counter Terror, Counter Crime & Immigration Enforcement: Biometrics Security Market [\$M] by Revenue Source (Sales, Aftersale and Other Revenues) - 2015-2022

Table 3 Biometric Modalities: Pros & Cons

Table 4 Comparison of the Biometric Modalities

Table 5 Retica Remote Biometric System Performance

Table 6 Data Types and Associated Biometric Technologies

Table 7 Biometrics Market: Business Opportunities

Table 8 Biometrics Market - Competitive Analysis

Table 9 European Counter Terror, Counter Crime & Immigration Enforcement Biometrics Security Market [\$M] by Country - 2015-2022

Table 10 European Counter Terror, Counter Crime & Immigration Enforcement: Biometrics Security Market [\$M] by Revenue Source (Sales, Aftersale and Other Revenues) - 2015-2022

Table 11 UK Biometrics Market [\$M] (incl. Sales, Aftersale and Other Revenues) and AGR [%] - 2015-2022

Table 12 UK Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 13 France Homeland Security & Public Safety Biometrics Market [\$M] (incl. Sales, Aftersale and Other Revenues) and AGR [%] - 2015-2022

Table 14 France Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 15 Belgium Homeland Security & Public Safety Biometrics Market [\$M] (incl. Sales, Aftersale and Other Revenues) and AGR [%] - 2015-2022

Table 16 Belgium Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 17 Sweden, Norway, Finland & Denmark Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 18 Germany Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 19 Austria & Switzerland: Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 20 Italy Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 21 Spain Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 22 Poland Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 23 Hungary & Czech Republic: Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 24 Russia Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 25 Rest of Europe: Biometrics Technologies Market [\$M] by Revenue Source - 2015-2022

Table 26 European Homeland Security and Public Safety Standards

Table 27 Membership in the EU, Eurozone, and Schengen Area

Figures

FIGURES

Figure 1 European Counter Terror, Counter Crime & Immigration Enforcement Biometrics Security Market [\$M] by Country - 2015-2022

Figure 2 Performance of Four Biometric Security Systems

Figure 3 Operation of a Generic Biometric System

Figure 4 Performance Criteria for Biometrics Security Technologies

Figure 5 Types of Fingerprints

Figure 6 Eigen Faces Process

Figure 7 The Iris Anatomy

Figure 8 Iris Recognition Based Automatic Border Control (ABC) System

Figure 9 Hand Geometry Recognition System

Figure 10 Several Measurements for Signature Comparison

Figure 11 A Pictorial Representation of the Regions of the Palm.

Figure 12 Transmission Imaging of a Hand

Figure 13 Multimodal Biometrics

Figure 14 Multimodal Biometrics Fusion (a): Decision-level Fusion, (b): Score-level Fusion, (c): Feature-level Fusion and (d): Sample-level Fusion

Figure 15 Field of View of a Fused Video Surveillance and Biometrics

Figure 16 A Corridor CCTV based Biometric Portal Layout

Figure 17 People Screening Biometric Checkpoints

Figure 18 Components of a Common Biometric System

Figure 19 People Screening in an Open Space Environment

Figure 20 European Counter Terror, Counter Crime & Immigration Enforcement Biometrics Security Market [\$M] by Country - 2015-2022

Figure 21 European Counter Terror, Counter Crime & Immigration Enforcement: Biometrics Security Market Shares [%] by Country - 2015-2022

Figure 22 European Counter Terror, Counter Crime & Immigration Enforcement: Biometrics Security Market [\$M] by Revenue Source (Sales, Aftersale and Other Revenues) - 2015-2022

Figure 23 European Counter Terror, Counter Crime & Immigration Enforcement: Biometrics Market Share [%] by Revenue Source - 2015-2022

Figure 24 UK Biometric Passport

Figure 25 Biometric Residence Permit

Figure 26 A UK Foreign Nationals Biometric Card

Figure 27 UK Biometrics Market [\$M] by Revenue Category (Sales, Aftersale and Other Revenues) - 2015-2022

- Figure 28 UK Biometrics Market Share [%] by Revenue Category - 2015-2022
- Figure 29 France Homeland Security & Public Safety Biometrics Market [\$M] by Revenue Category (Sales, Aftersale and Other Revenues) - 2015-2022
- Figure 30 France Homeland Security & Public Safety Biometrics Market Share [%] by Revenue Category - 2015-2022
- Figure 31 Belgium Homeland Security & Public Safety Biometrics Market [\$M] by Revenue Category (Sales, Aftersale and Other Revenues) - 2015-2022
- Figure 32 Belgium Homeland Security & Public Safety Biometrics Market Share [%] by Revenue Category - 2015-2022
- Figure 33 The European Union: Member States and Candidate Countries
- Figure 34 EU Countries Currency Status- 2016
- Figure 35 European 2015-2016 GDP Growth Forecast [%] By Country
- Figure 36 Europe GDP per Capita By Country
- Figure 37 2015 Refugee Applications to Europe by Month
- Figure 38 2015 Migrant Applications to Europe by Country of Origin
- Figure 39 Main Routes of Migration
- Figure 40 European Asylum-Seeker Decisions by Country
- Figure 41 Refugee Acceptance by Country 2015
- Figure 42 Asylum Claims per 100.000 Local Populations 2015
- Figure 43 Fragility and Instability in Europe Neighborhood MEA Countries
- Figure 44 Europe Inflows of Threats
- Figure 45 European Borders
- Figure 46 The 2016 Schengen Border Map
- Figure 47 The Advanced Passenger Analysis (APA) System
- Figure 48 Migrant Arrivals by Sea and Land Borders in 2015

I would like to order

Product name: Biometric Technologies & Market – Focus on Europe – 2017-2022

Product link: <https://marketpublishers.com/r/B56273DBFD2EN.html>

Price: US\$ 3,950.00 (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/B56273DBFD2EN.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