

Iris Recognition Market – Global Drivers, Restraints, Opportunities, Trends, and Forecasts up to 2023

<https://marketpublishers.com/r/I1137A4BF5CEN.html>

Date: February 2018

Pages: 80

Price: US\$ 3,500.00 (Single User License)

ID: I1137A4BF5CEN

Abstracts

Iris Recognition Market – Global Drivers, Restraints, Opportunities, Trends, and Forecasts up to 2023

Market Overview

Biometric authentication is a security measure that is based on the unique biological characteristics of an individual to verify the credentials. They capture the physiological and behavioral aspects. Iris, fingerprint, and DNA are physiological biometric identifiers and rhythm, gait, voice, and typing are behavioral identifiers. Biometric systems are based on facial features, fingerprints, handwriting, voice, hand geometry, retina, iris, etc. Biometric authentication systems match the biometric data that is captured to the confirmed authentic data in the database. The two sets of data are compared, namely the one pre-set by the owner of the device and the second one of the device visitor. If both the samples match, authentication is confirmed. The match must be precisely identical and not nearly identical. Biometric authentication is used to manage access to physical and digital resources, namely buildings, computing devices, and rooms. Biometric authentication is gradually becoming a commonplace. Biological traits cannot be easily counterfeited, and it also offers an additional benefit of convenience.

The global population is increasingly becoming security and safety conscious, and thus biometric authentication devices are being extensively adopted across governments, healthcare institutions, financial institutions, consumer electronics, retail & commercial vehicles, and enterprises. In the past decade, the world has witnessed several technological innovations that have made biometrics technically and commercially feasible. Touchless biometrics and portable biometric devices are few such innovations. The convergence of market forces and parallel innovation-enabling technologies are

encouraging the emergence of innovative products at an unprecedented rate. The cost of high-end products will reduce considerably in the coming years due to technological advancements and introduction of new devices in the market. The future market growth would be driven by rapid adoption by the government and the usage of biometrics in criminal identification.

Iris recognition technology blends with other technologies such as computer vision, statistical inferences, optics, and pattern recognition. The application areas for iris recognition are varied, and consumer electronics is one major area. Recently, iris scanners are used in various mobile devices; Samsung's Galaxy Note 7 features an iris scanner and is also found in Lumia 950 and Lumia 950 XL Windows phones. It is being used in multiple editions of Fujitsu Arrow Devices, available through NTT Docomo, a pioneer in smartphone iris biometrics. Iris recognition is most commonly used in physical access control in government and private enterprises, but the versatility of the technology is widening its usage in other sectors of the economy, namely transportation, national identification programs, and healthcare. The technology is also used in prisons, work areas, data centers, immigration centers, etc. Security is the major prerogative for organizations using this technology, but it also offers the added advantage of productivity-enhancing applications including time and attendance. Enterprises and the government admit that a convergence of physical and information security environments is occurring, and it will pose unique security challenges in the future such as just-in-time inventory control, sophisticated supply chain management, and a phenomenon called "coopetition" in which companies cooperate in some areas and compete in others. The security system architecture design and implementation are driven by the fact that the convergence of the physical and information security requirements must converge, and this also determines the selection of the biometric technology. Managing convergence is becoming even more challenging as IT and communication is increasingly becoming wireless and the need for robust identity management is becoming essential. Iris recognition technology can be advantageously used in fraud elimination, non-repudiation of sales, fund transfer authentication, signature verification, credit card authorization, intellectual property, and authorized access to healthcare records.

Market Analysis

According to Infoholic Research, the global iris recognition market is expected to grow at a CAGR of 21.8% during the forecast period 2017–2023. The market is driven by factors such as integration of iris scanners in smartphones, increased use in government projects, rising incidence of fraudulent activities & security concerns, and

enhanced demand from the consumer electronics segment. The future potential of the market is promising owing to opportunities such as R&D initiatives, increasing number of distribution channels, enhanced demand from the travel/immigration industry, and increased adoption in enterprises. The market growth is curbed by restraining factors such as high costs, the gap in user's understanding of the device, the vulnerability of iris recognition systems, and intrusion of privacy.

Segmentation by Components

The market has been segmented and analyzed by the following components: software and hardware.

Segmentation by End-users

The market has been segmented and analyzed by the following end-users: government, transportation, healthcare, finance, NGOs, law enforcement, and defense sectors.

Segmentation by Regions

The market has been segmented and analyzed by the following regions: North America, Europe, Latin America, APAC, and MEA.

Segmentation by Applications

The market has been segmented and analyzed by the following applications: consumer device authentication, pharmacy dispensing, cashpoint/automated teller machine, border control (entry/exit), and others.

Benefits

The study covers and analyzes the "Global Iris Recognition" market. Bringing out the complete key insights of the industry, the report aims to provide an opportunity for players to understand the latest trends, current market scenario, government initiatives, and technologies related to the market. In addition, it helps the venture capitalists in understanding the companies better and take informed decisions.

The report covers drivers, restraints, and opportunities (DRO) affecting the market growth during the forecast period (2017–2023).

It also contains an analysis of vendor profiles, which includes financial health, business units, key business priorities, SWOT, strategies, and views.

The report covers competitive landscape, which includes M&A, joint ventures & collaborations, and competitor comparison analysis.

In the vendor profile section, for the companies that are privately held, financial information and revenue of segments will be limited.

Contents

1 INDUSTRY OUTLOOK

- 1.1 Industry Overview
- 1.2 Industry Trends

2 REPORT OUTLINE

- 2.1 Report Scope
- 2.2 Report Summary
- 2.3 Research Methodology
- 2.4 Report Assumptions

3 MARKET SNAPSHOT

- 3.1 Total Addressable Market (TAM)
- 3.2 Segmented Addressable Market (SAM)
- 3.3 Related Markets

4 MARKET OUTLOOK

- 4.1 Overview
- 4.2 Regulatory Bodies & Standards
- 4.3 Deployed Applications
- 4.4 Suitability of Iris Recognition
- 4.5 Advantages of iris recognition
- 4.6 Porter 5 (Five) Forces

5 MARKET CHARACTERISTICS

- 5.1 Ecosystem
- 5.2 Market Segmentation
- 5.3 Market Dynamics
 - 5.3.1 Drivers
 - 5.3.1.1 Increased Use in Government Projects
 - 5.3.1.2 Integration of Iris Scanners in Smartphones
 - 5.3.1.3 Rising Incidence of Fraudulent Activities and Security Concerns
 - 5.3.1.4 Enhanced Demand from Consumer Electronics Segment

5.3.2 Restraints

5.3.2.1 High Costs

5.3.2.2 Gap in User's Understanding of the Device

5.3.2.3 Vulnerability of iris recognition systems

5.3.3 Opportunities

5.3.3.1 Research and Development Initiatives

5.3.3.2 Increasing Number of Distribution Channels

5.3.3.3 Enhanced Interest from Travel/Immigration Industry

5.3.3.4 Increased Adoption from Enterprises

5.3.4 DRO – Impact Analysis

6 TRENDS, ROADMAP AND PROJECTS

6.1 Market Trends & Impact

6.2 Technology Roadmap

7 APPLICATIONS: MARKET SIZE & ANALYSIS

7.1 Overview

7.1.1 Market Size and Analysis

7.2 Consumer Device Authentication

7.3 Pharmacy Dispensing

7.4 Cashpoint/Automated Teller Machine Access

7.5 Border Control (Entry/Exit)

7.6 Others

8 END-USERS: MARKET SIZE & ANALYSIS

8.1 Overview

8.1.1 Market Size and Analysis

8.2 Government

8.3 Transportation

8.4 Healthcare

8.5 Finance

8.6 NGOs

8.7 Law Enforcement

8.8 Defense

Regions: Market Size & Analysis

8.9 Overview

- 8.9.1 Market Size and Analysis
- 8.10 North America
- 8.11 Europe
- 8.12 Latin America
- 8.13 APAC
- 8.14 MEA

9 COMPONENTS: MARKET SIZE & ANALYSIS

- 9.1 Overview
 - 9.1.1 Market Size and Analysis
- 9.2 Software
- 9.3 Hardware

10 GLOBAL GENERALISTS

- 10.1 BioEnable
 - 10.1.1 Overview
 - 10.1.2 BioEnable in Iris Recognition
- 10.2 Iris ID
 - 10.2.1 Overview
 - 10.2.2 Key Developments
 - 10.2.3 Iris ID in Iris Recognition
- 10.3 IrisGuard
 - 10.3.1 Overview
 - 10.3.2 Key Developments
 - 10.3.3 IrisGuard in Iris Recognition
- 10.4 IRITECH Inc.
 - 10.4.1 Overview
 - 10.4.2 Key Developments
 - 10.4.3 IRITECH in Iris Recognition
- 10.5 M2SYS Technology
 - 10.5.1 Overview
 - 10.5.2 Key Developments
 - 10.5.3 M2SYS Technology in Iris Recognition
- 10.6 3M Cogent Inc.
 - 10.6.1 Overview
 - 10.6.2 Key Developments
 - 10.6.3 3M Cogent Technology in Iris Recognition

10.7 Crossmatch Technologies Inc.

10.7.1 Overview

10.7.2 Key Developments

10.7.3 Crossmatch Technologies in Iris Recognition

11 COMPANIES TO WATCH FOR

11.1 Biomatiques Identification Solution Pvt. Ltd.

11.1.1 Overview

11.1.2 Iris Recognition offerings

11.2 Delta ID

11.2.1 Overview

11.2.2 Iris Recognition offerings

11.3 Eyelock Inc.

11.3.1 Overview

11.3.2 Iris Recognition offerings

11.4 Eyesmart Technology

11.4.1 Overview

11.4.2 Iris Recognition offerings

11.5 EyeVerify

11.5.1 Overview

11.5.2 Iris Recognition offerings

12 COMPETITIVE LANDSCAPE

12.1 Competitor Comparison Analysis

13 EXPERT'S VIEWS

Annexure

? Acronyms

Tables

Table 1 GLOBAL IRIS RECOGNITION MARKET REVENUE BY APPLICATIONS, 2017-2023 (\$MILLION)

Table 2 GLOBAL IRIS RECOGNITION MARKET REVENUE BY END-USERS, 2017-2023 (\$MILLION)

Table 3 GLOBAL IRIS RECOGNITION MARKET REVENUE BY REGIONS, 2017-2023 (\$MILLION)

Table 4 GLOBAL IRIS RECOGNITION MARKET REVENUE BY COMPONENTS,
2017-2023 (\$MILLION)

?

Charts

Chart 1 RESEARCH METHODOLOGY

Chart 2 GLOBAL IRIS RECOGNITION MARKET REVENUE, 2017-2023 (\$MILLION)

Chart 3 PORTERS 5 FORCES ON GLOBAL IRIS RECOGNITION MARKET

Chart 4 ARCHITECTURE OF GLOBAL IRIS RECOGNITION MARKET

Chart 5 IRIS RECOGNITION FRAMEWORK

Chart 6 GLOBAL IRIS RECOGNITION MARKET SEGMENTATION

Chart 7 MARKET DYNAMICS – DRIVERS, RESTRAINTS & OPPORTUNITIES

Chart 8 DRO - IMPACT ANALYSIS OF GLOBAL IRIS RECOGNITION MARKET

Chart 9 TECHNOLOGY ROADMAP FOR GLOBAL IRIS RECOGNITION MARKET

Chart 10 GLOBAL IRIS RECOGNITION MARKET SHARE BY TYPE, 2017 AND 2023

Chart 11 GLOBAL IRIS RECOGNITION MARKET REVENUE BY APPLICATIONS,
2017-2023 (\$MILLION)

Chart 12 GLOBAL IRIS RECOGNITION MARKET REVENUE BY CONSUMER DEVICE
AUTHENTICATION SEGMENT, 2017-2023 (\$MILLION)

Chart 13 GLOBAL IRIS RECOGNITION MARKET REVENUE BY PHARMACY
DISPENSING SEGMENT, 2017-2023 (\$MILLION)

Chart 14 GLOBAL IRIS RECOGNITION MARKET BY CASHPOINT/AUTOMATED
TELLER MACHINE ACCESS, 2016-2022 (\$MILLION)

Chart 15 GLOBAL IRIS RECOGNITION MARKET BY BORDER CONTROL
(ENTRY/EXIT), 2017-2023 (\$MILLION)

Chart 16 GLOBAL IRIS RECOGNITION MARKET BY OTHERS 2017-2023 (\$MILLION)

Chart 17 GLOBAL IRIS RECOGNITION MARKET SHARE BY END-USERS, 2017 AND
2023

Chart 18 GLOBAL IRIS RECOGNITION MARKET REVENUE BY GOVERNMENT,
2017-2023 (\$MILLION)

Chart 19 GLOBAL IRIS RECOGNITION MARKET REVENUE BY TRANSPORTATION,
2017-2023 (\$MILLION)

Chart 20 GLOBAL IRIS RECOGNITION MARKET REVENUE BY HEALTHCARE,
2017-2023 (\$MILLION)

Chart 21 GLOBAL IRIS RECOGNITION MARKET REVENUE BY FINANCE, 2017-2023
(\$MILLION)

Chart 22 GLOBAL IRIS RECOGNITION MARKET REVENUE BY NGO, 2017-2023

(\$MILLION)

Chart 23 GLOBAL IRIS RECOGNITION MARKET REVENUE BY LAW
ENFORCEMENT, 2017-2023 (\$MILLION)

Chart 24 GLOBAL IRIS RECOGNITION MARKET REVENUE BY DEFENSE,
2017-2023 (\$MILLION)

Chart 25 GLOBAL IRIS RECOGNITION MARKET SHARE BY REGIONS, 2017 AND
2023

Chart 26 GLOBAL IRIS RECOGNITION MARKET REVENUE FOR NORTH AMERICA,
2017-2023 (\$MILLION)

Chart 27 GLOBAL IRIS RECOGNITION MARKET REVENUE FOR EUROPE,
2017-2023 (\$MILLION)

Chart 28 GLOBAL IRIS RECOGNITION MARKET REVENUE FOR LATIN AMERICA,
2017-2023 (\$MILLION)

Chart 29 GLOBAL IRIS RECOGNITION MARKET REVENUE FOR APAC, 2017-2023
(\$MILLION)

Chart 30 GLOBAL IRIS RECOGNITION MARKET REVENUE FOR MEA, 2017-2023
(\$MILLION)

Chart 31 GLOBAL IRIS RECOGNITION MARKET REVENUE BY COMPONENTS,
2017-2023 (\$MILLION)

Chart 32 GLOBAL IRIS RECOGNITION MARKET REVENUE BY SOFTWARE
SEGMENT, 2017-2023 (\$MILLION)

Chart 33 GLOBAL IRIS RECOGNITION MARKET REVENUE BY HARDWARE
SEGMENT, 2017-2023 (\$MILLION)

?

I would like to order

Product name: Iris Recognition Market – Global Drivers, Restraints, Opportunities, Trends, and Forecasts up to 2023

Product link: <https://marketpublishers.com/r/I1137A4BF5CEN.html>

Price: US\$ 3,500.00 (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/I1137A4BF5CEN.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

