

Biometric Sensors Market (By Type Capacitive sensors, Optical sensors, Thermal sensors, Ultrasound sensors, Electric field Sensors. By Application - Voice Scan, Finger Scan, Hand Scan, Facial Scan, Iris Scan and Vein Scan. By End use - Consumer electronics, Commercial centers and buildings, Medical and research labs, Banking, Financial services sector, Defense and security) – Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2016 – 2025

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Abstracts

Biometric sensor is the modern version of security system. These types of sensors are a crucial part of the identity technology. A biometric sensor is a kind of transducer that transforms biometric traits such as face, voice, fingerprints and others of a person into an electrical signal. Generally, the biometric sensor reads temperature, pressure, light, electrical capacity, speed and other types of energies. Physical traits of the human body are merged with digital technology in order to impart biometric security which is done with the help of biometric sensors. Physical traits such as fingerprints, face metrics and vein structures in hands are often used to develop desired templates. Identification and fast verification are some of the key attributes of biometric sensors. Biometric sensors are compact in design and also light in weight and can be installed in devices very easily. Moreover, the increase in security concerns and also the rise in demand for smart gadgets has augmented the market growth for biometric sensors. The recent innovation in security or privacy system is an example of biometric sensors. Thus, biometric sensors being the future of security system it is expected to enhance the market growth.

during the forecast period of 2016-2025.

Biometric sensors offer wide range of benefits in the privacy sector. These benefits may include better safety and security for the consumers. Factors such as facial scan, fingerprint scan, voice scan and hand scan are expected to achieve positive growth for the biometric sensors market during the forecast period. Moreover, increasing use of mobile phones and online money transactions leads to a huge market growth opportunity for biometric sensors in the financial zone. Along with this in automotive industry the rise in adoption of biometric lock system in cars and technological advancement are expected to enhance the market growth of biometric sensors over the forecast period.

Further down, there are also some demerits with the biometric sensors market. Firstly, the lack of well-trained staff may not handle the biometric facilities properly and may degrade the market growth for biometric sensors. And secondly, limited application and implementation of biometric sensors in various geographical regions may hinder the biometric sensors market growth.

Major applications of biometric sensors technology covered in report are finger scan, facial scan, voice scan, iris scan, hand scan, vein scan and others. The biometric sensors market in thereport is segmented by type which includes capacitive sensors, thermal sensors, optical sensors, ultrasound sensors and electric field sensors. The report has been further segmented by end use which includes commercial centres and buildings, banking, financial services sector, consumer electronics, medical and research labs, defence and security and others. The global biometric sensors market has been moreover segmented geographically into North America, Europe, Asia-Pacific, and rest of the world.

Biometric sensor is one of a new kind of technology and is expected to grow at a high rate with the increase in security sector across the globe. Biometric sensors technology will be one of the major trends to gain traction in this market in the upcoming years. Technological advancement in security system causes the rise in demand of this biometric sensor technology in various sectors such as commercial centres, banking, automotive, defence and security and others. In recent years, the rise in demand of privacy and security would certainly augment the market growth of biometric sensors.

Some of the major players in the biometric sensors market are include Safran, CrossMatch Technologies, Inc., Fulcrum Biometrics, Invenion Technologies AG, Suprema Inc., ZKTeco Inc., NEC Corporation, Precise Biometrics Ab, 3M among others.

Global Biometric Sensors Market: By Type

Capacitive Sensors

Thermal Sensors

Optical Sensors

Ultrasound Sensors

Electric Field Sensors (eField)

Global Biometric Sensors Market: By Application

Finger Scan

Facial Scan

Voice Scan

Iris Scan

Hand Scan

Vein Scan

Others

Global Biometric Sensors Market: By End Use

Commercial centres and buildings

Banking, Financial services sector

Consumer electronics

Medical and research labs

Defence and security

Others

Global Biometric Sensors Market: By Geography

North America

U.S.

Canada

Mexico

Europe

U.K.

Italy

France

Germany

Spain

Rest of Europe

Asia Pacific

India

China

Japan

Taiwan

South Korea

Rest of Asia Pacific

Rest of the World

Latin America

Middle East and Africa

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