

# Biometric Sensors Market Estimated to Experience a Hike in Growth By 2030

*Biometric Sensors Market to Surge at a Robust Pace in Terms of Revenue Over 2030 - Thales Group, IDEX ASA, Infineon, etc*

WILMINGTON, DE, UNITED STATES, September 16, 2024 / EINPresswire.com/ -- Allied Market Research, titled, "[Biometric Sensors Market](#) by Type and Application: Global Opportunity Analysis and Industry Forecast, 2021–2030", the global biometric sensors market size was valued at \$1.15 billion in 2020, and is projected to reach \$3.31 billion by 2030, registering a CAGR of 11.8% during the forecast period. The North America region is expected to be the leading contributor to the global market during the forecast period, followed by Asia-Pacific and Europe.



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The global biometric sensors market is set to grow due to identity threats, touchless fingerprint tech, and the popularity of wearable devices.”

*Allied Market Research*

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A biometric sensor is an identification and authentication device that uses automated methods of verifying or recognizing the identity of a living person, based on the physical attribute. These attributes include fingerprints, facial images, Iris, and voice recognition. Generally, the sensor reads or measures light, temperature, speed,

electrical capacity, and other types of energy. Different technologies are applied to get the conversation using sophisticated combinations, networks of sensors, and digital cameras.

Many physical characteristics of a person, such as a face, iris, and fingerprints, are scanned by a biometric sensor and are converted to a digital image using an analog-to-digital converter. This digital information is stored in a memory and is used to verify or authenticate the identity of the

person.

In the current modernized digital world, security threats are on a rapid rise. The global financial and banking sectors are interconnected via the Internet and the data related to consumers is highly confidential and prone to cyber-attacks. The current security systems implemented by organizations have multiple loopholes and are unsecured against high-level cyber-attacks. Further, the surge in demand for touchless fingerprint technology drives the biometrics sensors market.

Prominent factors that impact the market growth of biometric sensors include the rise in identity threats, the emergence of touchless fingerprint technology, and the growth in the popularity of wearable devices, such as smartwatches and smart bands. However, the high cost of biometric technology and easy availability of alternative cheap non-biometric technologies restrict the market growth. On the contrary, the growing concerns related to privacy breaches are expected to create lucrative opportunities for the market. Therefore, these factors are expected to affect the biometric sensors industry during the forecast period.

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The Biometric Sensors industry's key market players adopt various strategies such as product launch, product development, collaboration, partnership, and agreements to influence the market. It includes details about the key players in the market's strengths, product portfolio, market size and share analysis, operational results, and market positioning.

Key players in the Biometric Sensors market include:

CROSSMATCH Technologies Inc.

Fujitsu

Fulcrum Biometrics

Thales Group

IDEX ASA

Infineon Technologies

NEC Corporation

Precise Biometrics AB

SAFRAN S.A.

ZKTECO Inc.

Based on region, the biometric sensors market trends are analyzed across North America (U.S., Canada, and Mexico), Europe (Germany, France, UK, Italy, and Rest of Europe), Asia-Pacific (China, Japan, India, South Korea, Australia, and Rest of Asia-Pacific), and LAMEA (Latin America, the

Middle East, and Africa). North America is dominating the market, due to an increase in demand for smart weapons, and most of the smart weapons use biometric sensor technology, which further stimulates the demand for biometric sensors. The overall biometric sensors market analysis is determined to understand the profitable trends to gain a stronger foothold.

COVID-19-impacted global economies

The COVID-19 pandemic has significantly impacted global economies, resulting in workforce & travel restrictions, supply chain & production disruptions, and reduced demand & spending across many sectors. A sudden decline in infrastructure development is expected to hamper market share growth.

The biometric sensors market revenue witnessed a decline in its growth rate, owing to delayed projects, which led to a substantial impact. Furthermore, market players are investing in the R&D of biometric sensors, owing to an increase in governmental initiatives globally. Therefore, the biometric sensors market size is anticipated to gain momentum by the end of 2022.

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Key findings from the report:

- In 2020, the voice scan segment accounted for the maximum revenue and is projected to grow at a notable CAGR of 13.9% during the forecast period.
- The thermal sensors segment is expected to witness the highest growth rate during the forecast period.
- Germany was the major shareholder in the European biometric sensors market, accounting for approximately 25% share in terms of revenue in 2020.

Key findings:

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