

Sensor Fusion Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 141 pages | IMARC Group

AVAILABLE LICENSES:

- Electronic (PDF) Single User \$2499.00
- Five User Licence \$3499.00
- Enterprisewide License \$4499.00

Report description:

The global sensor fusion market size reached US\$ 5.5 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 15.2 Billion by 2028, exhibiting a growth rate (CAGR) of 18.2% during 2023-2028.

Sensor fusion refers to a technology used in automobiles to provide a reliable, interactive, and combined representation of the environment around a vehicle by merging inputs from multiple radars, lidars, and cameras. It can also correlate data collected from inside the cabin using software algorithms to create a comprehensive, accurate, and unified model with less uncertainty. It assists in reducing latency, improving the driving experience, enhancing the lane and detection performance. As a result, it is widely utilized in detection devices to generate integrated sensory information with multilateral and high-level recognition mechanisms.

Sensor Fusion Market Trends:

The rising trend of self-driving or driverless cars represents one of the key factors augmenting the use of sensor fusion to enable advanced driver assistance (ADAS) features and automated driving functions. Additionally, road safety authorities across the globe are undertaking several initiatives to minimize fatal road accidents, which, in turn, is contributing to the market growth. Apart from this, sensor fusion is utilized in navigation-based applications for combining global positioning systems (GPS) with phone data, including compass, gyroscope, and accelerometer. This, in confluence with the escalating demand for mobile mapping technology, is influencing the market positively. Moreover, the growing adoption of Internet of Things (IoT) devices, which comprise sensors to share and aggregate data, in smart water meters and indoor temperature monitoring systems is catalyzing the demand for sensor fusion worldwide. Furthermore, the increasing focus on health and fitness is driving the adoption of sensor fusion technology in wearable fitness devices. Besides this, market players are introducing software solutions that enhance user experience in enhanced intuitive high-speed gaming. This software can also be used in further applications, such as industrial control, oil exploration, and climate monitoring, which is creating a positive market outlook.

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global sensor fusion market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on type, technology and industry vertical.

Breakup by Type:

- Radar Sensors
- Image Sensors
- IMU
- Temperature Sensor
- Others

Breakup by Technology:

- MEMS
- Non-MEMS

Breakup by Industry Vertical:

- Automotive
- Healthcare
- Consumer Electronics
- Military and Defense
- Others

Breakup by Region:

- North America
 - United States
 - Canada
- Asia-Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia
 - Others

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being Analog Devices Inc., BASELABS, Bosch Sensortec GmbH (Robert Bosch GmbH), Continental AG, Infineon Technologies AG, InvenSense Inc. (TDK Corporation), Kionix Inc. (ROHM Co. Ltd.), Leddartech Inc., Microchip Technology Inc., NXP Semiconductors N.V., Renesas Electronics Corporation, STMicroelectronics and TE Connectivity Ltd.

Key Questions Answered in This Report:

How has the global sensor fusion market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global sensor fusion market?

What are the key regional markets?

What is the breakup of the market based on the type?

What is the breakup of the market based on the technology?

What is the breakup of the market based on the industry vertical?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global sensor fusion market and who are the key players?

What is the degree of competition in the industry?

Table of Contents:

1	Preface
2	Scope and Methodology
2.1	Objectives of the Study
2.2	Stakeholders
2.3	Data Sources
2.3.1	Primary Sources
2.3.2	Secondary Sources
2.4	Market Estimation
2.4.1	Bottom-Up Approach
2.4.2	Top-Down Approach
2.5	Forecasting Methodology
3	Executive Summary
4	Introduction
4.1	Overview
4.2	Key Industry Trends
5	Global Sensor Fusion Market
5.1	Market Overview
5.2	Market Performance
5.3	Impact of COVID-19
5.4	Market Forecast
6	Market Breakup by Type

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 6.1 Radar Sensors
 - 6.1.1 Market Trends
 - 6.1.2 Market Forecast
- 6.2 Image Sensors
 - 6.2.1 Market Trends
 - 6.2.2 Market Forecast
- 6.3 IMU
 - 6.3.1 Market Trends
 - 6.3.2 Market Forecast
- 6.4 Temperature Sensor
 - 6.4.1 Market Trends
 - 6.4.2 Market Forecast
- 6.5 Others
 - 6.5.1 Market Trends
 - 6.5.2 Market Forecast
- 7 Market Breakup by Technology
 - 7.1 MEMS
 - 7.1.1 Market Trends
 - 7.1.2 Market Forecast
 - 7.2 Non-MEMS
 - 7.2.1 Market Trends
 - 7.2.2 Market Forecast
- 8 Market Breakup by Industry Vertical
 - 8.1 Automotive
 - 8.1.1 Market Trends
 - 8.1.2 Market Forecast
 - 8.2 Healthcare
 - 8.2.1 Market Trends
 - 8.2.2 Market Forecast
 - 8.3 Consumer Electronics
 - 8.3.1 Market Trends
 - 8.3.2 Market Forecast
 - 8.4 Military and Defense
 - 8.4.1 Market Trends
 - 8.4.2 Market Forecast
 - 8.5 Others
 - 8.5.1 Market Trends
 - 8.5.2 Market Forecast
- 9 Market Breakup by Region
 - 9.1 North America
 - 9.1.1 United States
 - 9.1.1.1 Market Trends
 - 9.1.1.2 Market Forecast
 - 9.1.2 Canada
 - 9.1.2.1 Market Trends
 - 9.1.2.2 Market Forecast
 - 9.2 Asia-Pacific

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.2.1 China
 - 9.2.1.1 Market Trends
 - 9.2.1.2 Market Forecast
- 9.2.2 Japan
 - 9.2.2.1 Market Trends
 - 9.2.2.2 Market Forecast
- 9.2.3 India
 - 9.2.3.1 Market Trends
 - 9.2.3.2 Market Forecast
- 9.2.4 South Korea
 - 9.2.4.1 Market Trends
 - 9.2.4.2 Market Forecast
- 9.2.5 Australia
 - 9.2.5.1 Market Trends
 - 9.2.5.2 Market Forecast
- 9.2.6 Indonesia
 - 9.2.6.1 Market Trends
 - 9.2.6.2 Market Forecast
- 9.2.7 Others
 - 9.2.7.1 Market Trends
 - 9.2.7.2 Market Forecast
- 9.3 Europe
 - 9.3.1 Germany
 - 9.3.1.1 Market Trends
 - 9.3.1.2 Market Forecast
 - 9.3.2 France
 - 9.3.2.1 Market Trends
 - 9.3.2.2 Market Forecast
 - 9.3.3 United Kingdom
 - 9.3.3.1 Market Trends
 - 9.3.3.2 Market Forecast
 - 9.3.4 Italy
 - 9.3.4.1 Market Trends
 - 9.3.4.2 Market Forecast
 - 9.3.5 Spain
 - 9.3.5.1 Market Trends
 - 9.3.5.2 Market Forecast
 - 9.3.6 Russia
 - 9.3.6.1 Market Trends
 - 9.3.6.2 Market Forecast
 - 9.3.7 Others
 - 9.3.7.1 Market Trends
 - 9.3.7.2 Market Forecast
- 9.4 Latin America
 - 9.4.1 Brazil
 - 9.4.1.1 Market Trends
 - 9.4.1.2 Market Forecast

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 9.4.2 Mexico
 - 9.4.2.1 Market Trends
 - 9.4.2.2 Market Forecast
- 9.4.3 Others
 - 9.4.3.1 Market Trends
 - 9.4.3.2 Market Forecast
- 9.5 Middle East and Africa
 - 9.5.1 Market Trends
 - 9.5.2 Market Breakup by Country
 - 9.5.3 Market Forecast
- 10 SWOT Analysis
 - 10.1 Overview
 - 10.2 Strengths
 - 10.3 Weaknesses
 - 10.4 Opportunities
 - 10.5 Threats
- 11 Value Chain Analysis
- 12 Porters Five Forces Analysis
 - 12.1 Overview
 - 12.2 Bargaining Power of Buyers
 - 12.3 Bargaining Power of Suppliers
 - 12.4 Degree of Competition
 - 12.5 Threat of New Entrants
 - 12.6 Threat of Substitutes
- 13 Price Analysis
- 14 Competitive Landscape
 - 14.1 Market Structure
 - 14.2 Key Players
 - 14.3 Profiles of Key Players
 - 14.3.1 Analog Devices Inc.
 - 14.3.1.1 Company Overview
 - 14.3.1.2 Product Portfolio
 - 14.3.1.3 Financials
 - 14.3.1.4 SWOT Analysis
 - 14.3.2 BASELABS
 - 14.3.2.1 Company Overview
 - 14.3.2.2 Product Portfolio
 - 14.3.3 Bosch Sensortec GmbH (Robert Bosch GmbH)
 - 14.3.3.1 Company Overview
 - 14.3.3.2 Product Portfolio
 - 14.3.3.3 SWOT Analysis
 - 14.3.4 Continental AG
 - 14.3.4.1 Company Overview
 - 14.3.4.2 Product Portfolio
 - 14.3.4.3 Financials
 - 14.3.4.4 SWOT Analysis
 - 14.3.5 Infineon Technologies AG

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

- 14.3.5.1 Company Overview
- 14.3.5.2 Product Portfolio
- 14.3.5.3 Financials
- 14.3.5.4 SWOT Analysis
- 14.3.6 InvenSense Inc. (TDK Corporation)
 - 14.3.6.1 Company Overview
 - 14.3.6.2 Product Portfolio
- 14.3.7 Kionix Inc. (ROHM Co. Ltd.)
 - 14.3.7.1 Company Overview
 - 14.3.7.2 Product Portfolio
- 14.3.8 Leddartech Inc.
 - 14.3.8.1 Company Overview
 - 14.3.8.2 Product Portfolio
- 14.3.9 Microchip Technology Inc.
 - 14.3.9.1 Company Overview
 - 14.3.9.2 Product Portfolio
 - 14.3.9.3 Financials
 - 14.3.9.4 SWOT Analysis
- 14.3.10 NXP Semiconductors N.V.
 - 14.3.10.1 Company Overview
 - 14.3.10.2 Product Portfolio
 - 14.3.10.3 Financials
 - 14.3.10.4 SWOT Analysis
- 14.3.11 Renesas Electronics Corporation
 - 14.3.11.1 Company Overview
 - 14.3.11.2 Product Portfolio
 - 14.3.11.3 Financials
 - 14.3.11.4 SWOT Analysis
- 14.3.12 STMicroelectronics
 - 14.3.12.1 Company Overview
 - 14.3.12.2 Product Portfolio
- 14.3.13 TE Connectivity Ltd.
 - 14.3.13.1 Company Overview
 - 14.3.13.2 Product Portfolio
 - 14.3.13.3 Financials
 - 14.3.13.4 SWOT Analysis

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com

Sensor Fusion Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

Market Report | 2023-05-29 | 141 pages | IMARC Group

To place an Order with Scotts International:

- ☐ - Print this form
- ☐ - Complete the relevant blank fields and sign
- ☐ - Send as a scanned email to support@scotts-international.com

ORDER FORM:

Select license	License	Price
	Electronic (PDF) Single User	\$2499.00
	Five User Licence	\$3499.00
	Enterprisewide License	\$4499.00
		VAT
		Total

*Please circle the relevant license option. For any questions please contact support@scotts-international.com or 0048 603 394 346.

** VAT will be added at 23% for Polish based companies, individuals and EU based companies who are unable to provide a valid EU Vat Numbers.

Email*	<input type="text"/>	Phone*	<input type="text"/>
First Name*	<input type="text"/>	Last Name*	<input type="text"/>
Job title*	<input type="text"/>		
Company Name*	<input type="text"/>	EU Vat / Tax ID / NIP number*	<input type="text"/>
Address*	<input type="text"/>	City*	<input type="text"/>
Zip Code*	<input type="text"/>	Country*	<input type="text"/>
		Date	<input type="text" value="2025-05-05"/>
		Signature	

Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com

www.scotts-international.com



Scotts International. EU Vat number: PL 6772247784

tel. 0048 603 394 346 e-mail: support@scotts-international.com
www.scotts-international.com