

Global Automotive Sensor IC Market Research Report 2025(Status and Outlook)

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Abstracts

Report Overview

An Automotive Sensor IC, or Integrated Circuit, is a sophisticated electronic component specifically designed for use in automotive applications. It is engineered to convert various physical quantities, such as temperature, pressure, or position, into electrical signals that can be processed by a vehicle's control systems. These ICs are crucial for enhancing vehicle performance, safety, and efficiency. They are typically integrated into various automotive subsystems, such as engine management, safety features (like airbags), and infotainment systems. Automotive Sensor ICs must meet stringent quality and reliability standards due to the harsh operating conditions within vehicles, including temperature extremes, vibration, and electromagnetic interference. They are also designed to be highly reliable and durable to ensure consistent performance over the life of the vehicle.

This report provides a deep insight into the global Automotive Sensor IC market covering all its essential aspects. This ranges from a macro overview of the market to micro details of the market size, competitive landscape, development trend, niche market, key market drivers and challenges, SWOT analysis, value chain analysis, etc.

The analysis helps the reader to shape the competition within the industries and strategies for the competitive environment to enhance the potential profit. Furthermore, it provides a simple framework for evaluating and accessing the position of the business organization. The report structure also focuses on the competitive landscape of the Global Automotive Sensor IC Market, this report introduces in detail the market share, market performance, product situation, operation situation, etc. of the main players, which helps the readers in the industry to identify the main competitors and deeply understand the competition pattern of the market.

In a word, this report is a must-read for industry players, investors, researchers, consultants, business strategists, and all those who have any kind of stake or are planning to foray into the Automotive Sensor IC market in any manner.

Global Automotive Sensor IC Market: Market Segmentation Analysis

The research report includes specific segments by region (country), manufacturers, Type, and Application. Market segmentation creates subsets of a market based on product type, end-user or application, Geographic, and other factors. By understanding the market segments, the decision-maker can leverage this targeting in the product, sales, and marketing strategies. Market segments can power your product development cycles by informing how you create product offerings for different segments.

Key Company

Texas Instruments
NXP
Infineon
Tesla
Vayyar
Uhnder
STMicroelectronics
OnSemi
Novosense Microelectronics
Arbe
Newsight Imaging
Axera Semiconductor
Autotalks
Will Semiconductor
FortSense
Calterah Semiconductor Technology
Muye Microelectronics

Market Segmentation (by Type)

Radar IC
Lidar IC
CMOS Image IC

Market Segmentation (by Application)

Passenger Vehicle
Commercial Vehicles

Geographic Segmentation

North America (USA, Canada, Mexico)

Europe (Germany, UK, France, Russia, Italy, Rest of Europe)

Asia-Pacific (China, Japan, South Korea, India, Southeast Asia, Rest of Asia-Pacific)

South America (Brazil, Argentina, Columbia, Rest of South America)

The Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria, South Africa, Rest of MEA)

Key Benefits of This Market Research:

Industry drivers, restraints, and opportunities covered in the study

Neutral perspective on the market performance

Recent industry trends and developments

Competitive landscape & strategies of key players

Potential & niche segments and regions exhibiting promising growth covered

Historical, current, and projected market size, in terms of value

In-depth analysis of the Automotive Sensor IC Market

Overview of the regional outlook of the Automotive Sensor IC Market:

Customization of the Report

In case of any queries or customization requirements, please connect with our sales team, who will ensure that your requirements are met.

Chapter Outline

Chapter 1 mainly introduces the statistical scope of the report, market division standards, and market research methods.

Chapter 2 is an executive summary of different market segments (by region, product type, application, etc), including the market size of each market segment, future development potential, and so on. It offers a high-level view of the current state of the Automotive Sensor IC Market and its likely evolution in the short to mid-term, and long term.

Chapter 3 makes a detailed analysis of the market's competitive landscape of the market and provides the market share, capacity, output, price, latest development plan, merger, and acquisition information of the main manufacturers in the market.

Chapter 4 is the analysis of the whole market industrial chain, including the upstream and downstream of the industry, as well as Porter's five forces analysis.

Chapter 5 introduces the latest developments of the market, the driving factors and restrictive factors of the market, the challenges and risks faced by manufacturers in the industry, and the analysis of relevant policies in the industry.

Chapter 6 provides the analysis of various market segments according to product types, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different market segments.

Chapter 7 provides the analysis of various market segments according to application, covering the market size and development potential of each market segment, to help readers find the blue ocean market in different downstream markets.

Chapter 8 provides a quantitative analysis of the market size and development potential of each region and its main countries and introduces the market development, future development prospects, market space, and capacity of each country in the world.

Chapter 9 shares the main producing countries of Automotive Sensor IC, their output value, profit level, regional supply, production capacity layout, etc. from the supply side.

Chapter 10 introduces the basic situation of the main companies in the market in detail, including product sales revenue, sales volume, price, gross profit margin, market share, product introduction, recent development, etc.

Chapter 11 provides a quantitative analysis of the market size and development potential of each region in the next five years.

Chapter 12 provides a quantitative analysis of the market size and development potential of each market segment in the next five years.

Chapter 13 is the main points and conclusions of the report.

Key Reasons to Buy this Report:

Access to date statistics compiled by our researchers. These provide you with historical and forecast data, which is analyzed to tell you why your market is set to change
This enables you to anticipate market changes to remain ahead of your competitors
You will be able to copy data from the Excel spreadsheet straight into your marketing

plans, business presentations, or other strategic documents

The concise analysis, clear graph, and table format will enable you to pinpoint the information you require quickly

Provision of market value data for each segment and sub-segment

Indicates the region and segment that is expected to witness the fastest growth as well as to dominate the market

Analysis by geography highlighting the consumption of the product/service in the region as well as indicating the factors that are affecting the market within each region

Competitive landscape which incorporates the market ranking of the major players, along with new service/product launches, partnerships, business expansions, and acquisitions in the past five years of companies profiled

Extensive company profiles comprising of company overview, company insights, product benchmarking, and SWOT analysis for the major market players

The current as well as the future market outlook of the industry concerning recent developments which involve growth opportunities and drivers as well as challenges and restraints of both emerging as well as developed regions

Includes in-depth analysis of the market from various perspectives through Porter's five forces analysis

Provides insight into the market through Value Chain

Market dynamics scenario, along with growth opportunities of the market in the years to come

6-month post-sales analyst support

Customization of the Report

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Contents

1 RESEARCH METHODOLOGY AND STATISTICAL SCOPE

- 1.1 Market Definition and Statistical Scope of Automotive Sensor IC
- 1.2 Key Market Segments
 - 1.2.1 Automotive Sensor IC Segment by Type
 - 1.2.2 Automotive Sensor IC Segment by Application
- 1.3 Methodology & Sources of Information
 - 1.3.1 Research Methodology
 - 1.3.2 Research Process
 - 1.3.3 Market Breakdown and Data Triangulation
 - 1.3.4 Base Year
 - 1.3.5 Report Assumptions & Caveats

2 AUTOMOTIVE SENSOR IC MARKET OVERVIEW

- 2.1 Global Market Overview
 - 2.1.1 Global Automotive Sensor IC Market Size (M USD) Estimates and Forecasts (2020-2033)
 - 2.1.2 Global Automotive Sensor IC Sales Estimates and Forecasts (2020-2033)
- 2.2 Market Segment Executive Summary
- 2.3 Global Market Size by Region

3 AUTOMOTIVE SENSOR IC MARKET COMPETITIVE LANDSCAPE

- 3.1 Company Assessment Quadrant
- 3.2 Global Automotive Sensor IC Product Life Cycle
- 3.3 Global Automotive Sensor IC Sales by Manufacturers (2020-2025)
- 3.4 Global Automotive Sensor IC Revenue Market Share by Manufacturers (2020-2025)
- 3.5 Automotive Sensor IC Market Share by Company Type (Tier 1, Tier 2, and Tier 3)
- 3.6 Global Automotive Sensor IC Average Price by Manufacturers (2020-2025)
- 3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types
- 3.8 Automotive Sensor IC Market Competitive Situation and Trends
 - 3.8.1 Automotive Sensor IC Market Concentration Rate
 - 3.8.2 Global 5 and 10 Largest Automotive Sensor IC Players Market Share by Revenue
 - 3.8.3 Mergers & Acquisitions, Expansion

4 AUTOMOTIVE SENSOR IC INDUSTRY CHAIN ANALYSIS

- 4.1 Automotive Sensor IC Industry Chain Analysis
- 4.2 Market Overview of Key Raw Materials
- 4.3 Midstream Market Analysis
- 4.4 Downstream Customer Analysis

5 THE DEVELOPMENT AND DYNAMICS OF AUTOMOTIVE SENSOR IC MARKET

- 5.1 Key Development Trends
- 5.2 Driving Factors
- 5.3 Market Challenges
- 5.4 Industry News
 - 5.4.1 New Product Developments
 - 5.4.2 Mergers & Acquisitions
 - 5.4.3 Expansions
 - 5.4.4 Collaboration/Supply Contracts
- 5.5 PEST Analysis
 - 5.5.1 Industry Policies Analysis
 - 5.5.2 Economic Environment Analysis
 - 5.5.3 Social Environment Analysis
 - 5.5.4 Technological Environment Analysis
- 5.6 Global Automotive Sensor IC Market Porter's Five Forces Analysis
 - 5.6.1 Global Trade Frictions
 - 5.6.2 U.S. Tariff Policy ? April 2025
 - 5.6.3 Global Trade Frictions and Their Impacts to Automotive Sensor IC Market
- 5.7 ESG Ratings of Leading Companies

6 AUTOMOTIVE SENSOR IC MARKET SEGMENTATION BY TYPE

- 6.1 Evaluation Matrix of Segment Market Development Potential (Type)
- 6.2 Global Automotive Sensor IC Sales Market Share by Type (2020-2025)
- 6.3 Global Automotive Sensor IC Market Size Market Share by Type (2020-2025)
- 6.4 Global Automotive Sensor IC Price by Type (2020-2025)

7 AUTOMOTIVE SENSOR IC MARKET SEGMENTATION BY APPLICATION

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Automotive Sensor IC Market Sales by Application (2020-2025)

7.3 Global Automotive Sensor IC Market Size (M USD) by Application (2020-2025)

7.4 Global Automotive Sensor IC Sales Growth Rate by Application (2020-2025)

8 AUTOMOTIVE SENSOR IC MARKET SALES BY REGION

8.1 Global Automotive Sensor IC Sales by Region

8.1.1 Global Automotive Sensor IC Sales by Region

8.1.2 Global Automotive Sensor IC Sales Market Share by Region

8.2 Global Automotive Sensor IC Market Size by Region

8.2.1 Global Automotive Sensor IC Market Size by Region

8.2.2 Global Automotive Sensor IC Market Size Market Share by Region

8.3 North America

8.3.1 North America Automotive Sensor IC Sales by Country

8.3.2 North America Automotive Sensor IC Market Size by Country

8.3.3 U.S. Market Overview

8.3.4 Canada Market Overview

8.3.5 Mexico Market Overview

8.4 Europe

8.4.1 Europe Automotive Sensor IC Sales by Country

8.4.2 Europe Automotive Sensor IC Market Size by Country

8.4.3 Germany Market Overview

8.4.4 France Market Overview

8.4.5 U.K. Market Overview

8.4.6 Italy Market Overview

8.4.7 Spain Market Overview

8.5 Asia Pacific

8.5.1 Asia Pacific Automotive Sensor IC Sales by Region

8.5.2 Asia Pacific Automotive Sensor IC Market Size by Region

8.5.3 China Market Overview

8.5.4 Japan Market Overview

8.5.5 South Korea Market Overview

8.5.6 India Market Overview

8.5.7 Southeast Asia Market Overview

8.6 South America

8.6.1 South America Automotive Sensor IC Sales by Country

8.6.2 South America Automotive Sensor IC Market Size by Country

8.6.3 Brazil Market Overview

8.6.4 Argentina Market Overview

8.6.5 Columbia Market Overview

8.7 Middle East and Africa

- 8.7.1 Middle East and Africa Automotive Sensor IC Sales by Region
- 8.7.2 Middle East and Africa Automotive Sensor IC Market Size by Region
- 8.7.3 Saudi Arabia Market Overview
- 8.7.4 UAE Market Overview
- 8.7.5 Egypt Market Overview
- 8.7.6 Nigeria Market Overview
- 8.7.7 South Africa Market Overview

9 AUTOMOTIVE SENSOR IC MARKET PRODUCTION BY REGION

- 9.1 Global Production of Automotive Sensor IC by Region(2020-2025)
- 9.2 Global Automotive Sensor IC Revenue Market Share by Region (2020-2025)
- 9.3 Global Automotive Sensor IC Production, Revenue, Price and Gross Margin (2020-2025)
- 9.4 North America Automotive Sensor IC Production
 - 9.4.1 North America Automotive Sensor IC Production Growth Rate (2020-2025)
 - 9.4.2 North America Automotive Sensor IC Production, Revenue, Price and Gross Margin (2020-2025)
- 9.5 Europe Automotive Sensor IC Production
 - 9.5.1 Europe Automotive Sensor IC Production Growth Rate (2020-2025)
 - 9.5.2 Europe Automotive Sensor IC Production, Revenue, Price and Gross Margin (2020-2025)
- 9.6 Japan Automotive Sensor IC Production (2020-2025)
 - 9.6.1 Japan Automotive Sensor IC Production Growth Rate (2020-2025)
 - 9.6.2 Japan Automotive Sensor IC Production, Revenue, Price and Gross Margin (2020-2025)
- 9.7 China Automotive Sensor IC Production (2020-2025)
 - 9.7.1 China Automotive Sensor IC Production Growth Rate (2020-2025)
 - 9.7.2 China Automotive Sensor IC Production, Revenue, Price and Gross Margin (2020-2025)

10 KEY COMPANIES PROFILE

- 10.1 Texas Instruments
 - 10.1.1 Texas Instruments Basic Information
 - 10.1.2 Texas Instruments Automotive Sensor IC Product Overview
 - 10.1.3 Texas Instruments Automotive Sensor IC Product Market Performance
 - 10.1.4 Texas Instruments Business Overview

- 10.1.5 Texas Instruments SWOT Analysis
- 10.1.6 Texas Instruments Recent Developments
- 10.2 NXP
 - 10.2.1 NXP Basic Information
 - 10.2.2 NXP Automotive Sensor IC Product Overview
 - 10.2.3 NXP Automotive Sensor IC Product Market Performance
 - 10.2.4 NXP Business Overview
 - 10.2.5 NXP SWOT Analysis
 - 10.2.6 NXP Recent Developments
- 10.3 Infineon
 - 10.3.1 Infineon Basic Information
 - 10.3.2 Infineon Automotive Sensor IC Product Overview
 - 10.3.3 Infineon Automotive Sensor IC Product Market Performance
 - 10.3.4 Infineon Business Overview
 - 10.3.5 Infineon SWOT Analysis
 - 10.3.6 Infineon Recent Developments
- 10.4 Tesla
 - 10.4.1 Tesla Basic Information
 - 10.4.2 Tesla Automotive Sensor IC Product Overview
 - 10.4.3 Tesla Automotive Sensor IC Product Market Performance
 - 10.4.4 Tesla Business Overview
 - 10.4.5 Tesla Recent Developments
- 10.5 Vayyar
 - 10.5.1 Vayyar Basic Information
 - 10.5.2 Vayyar Automotive Sensor IC Product Overview
 - 10.5.3 Vayyar Automotive Sensor IC Product Market Performance
 - 10.5.4 Vayyar Business Overview
 - 10.5.5 Vayyar Recent Developments
- 10.6 Uhnder
 - 10.6.1 Uhnder Basic Information
 - 10.6.2 Uhnder Automotive Sensor IC Product Overview
 - 10.6.3 Uhnder Automotive Sensor IC Product Market Performance
 - 10.6.4 Uhnder Business Overview
 - 10.6.5 Uhnder Recent Developments
- 10.7 STMicroelectronics
 - 10.7.1 STMicroelectronics Basic Information
 - 10.7.2 STMicroelectronics Automotive Sensor IC Product Overview
 - 10.7.3 STMicroelectronics Automotive Sensor IC Product Market Performance
 - 10.7.4 STMicroelectronics Business Overview

- 10.7.5 STMicroelectronics Recent Developments
- 10.8 OnSemi
 - 10.8.1 OnSemi Basic Information
 - 10.8.2 OnSemi Automotive Sensor IC Product Overview
 - 10.8.3 OnSemi Automotive Sensor IC Product Market Performance
 - 10.8.4 OnSemi Business Overview
 - 10.8.5 OnSemi Recent Developments
- 10.9 Novosense Microelectronics
 - 10.9.1 Novosense Microelectronics Basic Information
 - 10.9.2 Novosense Microelectronics Automotive Sensor IC Product Overview
 - 10.9.3 Novosense Microelectronics Automotive Sensor IC Product Market Performance
 - 10.9.4 Novosense Microelectronics Business Overview
 - 10.9.5 Novosense Microelectronics Recent Developments
- 10.10 Arbe
 - 10.10.1 Arbe Basic Information
 - 10.10.2 Arbe Automotive Sensor IC Product Overview
 - 10.10.3 Arbe Automotive Sensor IC Product Market Performance
 - 10.10.4 Arbe Business Overview
 - 10.10.5 Arbe Recent Developments
- 10.11 Newsight Imaging
 - 10.11.1 Newsight Imaging Basic Information
 - 10.11.2 Newsight Imaging Automotive Sensor IC Product Overview
 - 10.11.3 Newsight Imaging Automotive Sensor IC Product Market Performance
 - 10.11.4 Newsight Imaging Business Overview
 - 10.11.5 Newsight Imaging Recent Developments
- 10.12 Axera Semiconductor
 - 10.12.1 Axera Semiconductor Basic Information
 - 10.12.2 Axera Semiconductor Automotive Sensor IC Product Overview
 - 10.12.3 Axera Semiconductor Automotive Sensor IC Product Market Performance
 - 10.12.4 Axera Semiconductor Business Overview
 - 10.12.5 Axera Semiconductor Recent Developments
- 10.13 Autotalks
 - 10.13.1 Autotalks Basic Information
 - 10.13.2 Autotalks Automotive Sensor IC Product Overview
 - 10.13.3 Autotalks Automotive Sensor IC Product Market Performance
 - 10.13.4 Autotalks Business Overview
 - 10.13.5 Autotalks Recent Developments
- 10.14 Will Semiconductor
 - 10.14.1 Will Semiconductor Basic Information

- 10.14.2 Will Semiconductor Automotive Sensor IC Product Overview
- 10.14.3 Will Semiconductor Automotive Sensor IC Product Market Performance
- 10.14.4 Will Semiconductor Business Overview
- 10.14.5 Will Semiconductor Recent Developments
- 10.15 FortSense
 - 10.15.1 FortSense Basic Information
 - 10.15.2 FortSense Automotive Sensor IC Product Overview
 - 10.15.3 FortSense Automotive Sensor IC Product Market Performance
 - 10.15.4 FortSense Business Overview
 - 10.15.5 FortSense Recent Developments
- 10.16 Calterah Semiconductor Technology
 - 10.16.1 Calterah Semiconductor Technology Basic Information
 - 10.16.2 Calterah Semiconductor Technology Automotive Sensor IC Product Overview
 - 10.16.3 Calterah Semiconductor Technology Automotive Sensor IC Product Market Performance
 - 10.16.4 Calterah Semiconductor Technology Business Overview
 - 10.16.5 Calterah Semiconductor Technology Recent Developments
- 10.17 Muye Microelectronics
 - 10.17.1 Muye Microelectronics Basic Information
 - 10.17.2 Muye Microelectronics Automotive Sensor IC Product Overview
 - 10.17.3 Muye Microelectronics Automotive Sensor IC Product Market Performance
 - 10.17.4 Muye Microelectronics Business Overview
 - 10.17.5 Muye Microelectronics Recent Developments

11 AUTOMOTIVE SENSOR IC MARKET FORECAST BY REGION

- 11.1 Global Automotive Sensor IC Market Size Forecast
- 11.2 Global Automotive Sensor IC Market Forecast by Region
 - 11.2.1 North America Market Size Forecast by Country
 - 11.2.2 Europe Automotive Sensor IC Market Size Forecast by Country
 - 11.2.3 Asia Pacific Automotive Sensor IC Market Size Forecast by Region
 - 11.2.4 South America Automotive Sensor IC Market Size Forecast by Country
 - 11.2.5 Middle East and Africa Forecasted Sales of Automotive Sensor IC by Country

12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2033)

- 12.1 Global Automotive Sensor IC Market Forecast by Type (2026-2033)
 - 12.1.1 Global Forecasted Sales of Automotive Sensor IC by Type (2026-2033)
 - 12.1.2 Global Automotive Sensor IC Market Size Forecast by Type (2026-2033)

- 12.1.3 Global Forecasted Price of Automotive Sensor IC by Type (2026-2033)
- 12.2 Global Automotive Sensor IC Market Forecast by Application (2026-2033)
 - 12.2.1 Global Automotive Sensor IC Sales (K MT) Forecast by Application
 - 12.2.2 Global Automotive Sensor IC Market Size (M USD) Forecast by Application (2026-2033)

13 CONCLUSION AND KEY FINDINGS

List Of Tables

LIST OF TABLES

- Table 1. Introduction of the Type
- Table 2. Introduction of the Application
- Table 3. Market Size (M USD) Segment Executive Summary
- Table 4. Automotive Sensor IC Market Size Comparison by Region (M USD)
- Table 5. Global Automotive Sensor IC Sales (K MT) by Manufacturers (2020-2025)
- Table 6. Global Automotive Sensor IC Sales Market Share by Manufacturers (2020-2025)
- Table 7. Global Automotive Sensor IC Revenue (M USD) by Manufacturers (2020-2025)
- Table 8. Global Automotive Sensor IC Revenue Share by Manufacturers (2020-2025)
- Table 9. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Automotive Sensor IC as of 2024)
- Table 10. Global Market Automotive Sensor IC Average Price (USD/KG) of Key Manufacturers (2020-2025)
- Table 11. Manufacturers? Manufacturing Sites, Areas Served
- Table 12. Manufacturers? Product Type
- Table 13. Global Automotive Sensor IC Manufacturers Market Concentration Ratio (CR5 and HHI)
- Table 14. Mergers & Acquisitions, Expansion Plans
- Table 15. Market Overview of Key Raw Materials
- Table 16. Midstream Market Analysis
- Table 17. Downstream Customer Analysis
- Table 18. Key Development Trends
- Table 19. Driving Factors
- Table 20. Automotive Sensor IC Market Challenges
- Table 21. Goldman Sachs' forecast real GDP growth rate for 2024-2026
- Table 22. S&P Global ' Forecast Real GDP Growth Rate For 2024-2027
- Table 23. World Bank ' Forecast Real GDP Growth Rate For 2024-2026
- Table 24. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries
- Table 25. Global Automotive Sensor IC Sales by Type (K MT)
- Table 26. Global Automotive Sensor IC Market Size by Type (M USD)
- Table 27. Global Automotive Sensor IC Sales (K MT) by Type (2020-2025)
- Table 28. Global Automotive Sensor IC Sales Market Share by Type (2020-2025)
- Table 29. Global Automotive Sensor IC Market Size (M USD) by Type (2020-2025)
- Table 30. Global Automotive Sensor IC Market Size Share by Type (2020-2025)

- Table 31. Global Automotive Sensor IC Price (USD/KG) by Type (2020-2025)
- Table 32. Global Automotive Sensor IC Sales (K MT) by Application
- Table 33. Global Automotive Sensor IC Market Size by Application
- Table 34. Global Automotive Sensor IC Sales by Application (2020-2025) & (K MT)
- Table 35. Global Automotive Sensor IC Sales Market Share by Application (2020-2025)
- Table 36. Global Automotive Sensor IC Market Size by Application (2020-2025) & (M USD)
- Table 37. Global Automotive Sensor IC Market Share by Application (2020-2025)
- Table 38. Global Automotive Sensor IC Sales Growth Rate by Application (2020-2025)
- Table 39. Global Automotive Sensor IC Sales by Region (2020-2025) & (K MT)
- Table 40. Global Automotive Sensor IC Sales Market Share by Region (2020-2025)
- Table 41. Global Automotive Sensor IC Market Size by Region (2020-2025) & (M USD)
- Table 42. Global Automotive Sensor IC Market Size Market Share by Region (2020-2025)
- Table 43. North America Automotive Sensor IC Sales by Country (2020-2025) & (K MT)
- Table 44. North America Automotive Sensor IC Market Size by Country (2020-2025) & (M USD)
- Table 45. Europe Automotive Sensor IC Sales by Country (2020-2025) & (K MT)
- Table 46. Europe Automotive Sensor IC Market Size by Country (2020-2025) & (M USD)
- Table 47. Asia Pacific Automotive Sensor IC Sales by Region (2020-2025) & (K MT)
- Table 48. Asia Pacific Automotive Sensor IC Market Size by Region (2020-2025) & (M USD)
- Table 49. South America Automotive Sensor IC Sales by Country (2020-2025) & (K MT)
- Table 50. South America Automotive Sensor IC Market Size by Country (2020-2025) & (M USD)
- Table 51. Middle East and Africa Automotive Sensor IC Sales by Region (2020-2025) & (K MT)
- Table 52. Middle East and Africa Automotive Sensor IC Market Size by Region (2020-2025) & (M USD)
- Table 53. Global Automotive Sensor IC Production (K MT) by Region(2020-2025)
- Table 54. Global Automotive Sensor IC Revenue (US\$ Million) by Region (2020-2025)
- Table 55. Global Automotive Sensor IC Revenue Market Share by Region (2020-2025)
- Table 56. Global Automotive Sensor IC Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)
- Table 57. North America Automotive Sensor IC Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)
- Table 58. Europe Automotive Sensor IC Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 59. Japan Automotive Sensor IC Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 60. China Automotive Sensor IC Production (K MT), Revenue (US\$ Million), Price (USD/KG) and Gross Margin (2020-2025)

Table 61. Texas Instruments Basic Information

Table 62. Texas Instruments Automotive Sensor IC Product Overview

Table 63. Texas Instruments Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 64. Texas Instruments Business Overview

Table 65. Texas Instruments SWOT Analysis

Table 66. Texas Instruments Recent Developments

Table 67. NXP Basic Information

Table 68. NXP Automotive Sensor IC Product Overview

Table 69. NXP Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 70. NXP Business Overview

Table 71. NXP SWOT Analysis

Table 72. NXP Recent Developments

Table 73. Infineon Basic Information

Table 74. Infineon Automotive Sensor IC Product Overview

Table 75. Infineon Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 76. Infineon Business Overview

Table 77. Infineon SWOT Analysis

Table 78. Infineon Recent Developments

Table 79. Tesla Basic Information

Table 80. Tesla Automotive Sensor IC Product Overview

Table 81. Tesla Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 82. Tesla Business Overview

Table 83. Tesla Recent Developments

Table 84. Vayyar Basic Information

Table 85. Vayyar Automotive Sensor IC Product Overview

Table 86. Vayyar Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)

Table 87. Vayyar Business Overview

Table 88. Vayyar Recent Developments

Table 89. Uhnder Basic Information

Table 90. Uhnder Automotive Sensor IC Product Overview

- Table 91. Uhnder Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 92. Uhnder Business Overview
- Table 93. Uhnder Recent Developments
- Table 94. STMicroelectronics Basic Information
- Table 95. STMicroelectronics Automotive Sensor IC Product Overview
- Table 96. STMicroelectronics Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 97. STMicroelectronics Business Overview
- Table 98. STMicroelectronics Recent Developments
- Table 99. OnSemi Basic Information
- Table 100. OnSemi Automotive Sensor IC Product Overview
- Table 101. OnSemi Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 102. OnSemi Business Overview
- Table 103. OnSemi Recent Developments
- Table 104. Novosense Microelectronics Basic Information
- Table 105. Novosense Microelectronics Automotive Sensor IC Product Overview
- Table 106. Novosense Microelectronics Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 107. Novosense Microelectronics Business Overview
- Table 108. Novosense Microelectronics Recent Developments
- Table 109. Arbe Basic Information
- Table 110. Arbe Automotive Sensor IC Product Overview
- Table 111. Arbe Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 112. Arbe Business Overview
- Table 113. Arbe Recent Developments
- Table 114. Newsight Imaging Basic Information
- Table 115. Newsight Imaging Automotive Sensor IC Product Overview
- Table 116. Newsight Imaging Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 117. Newsight Imaging Business Overview
- Table 118. Newsight Imaging Recent Developments
- Table 119. Axera Semiconductor Basic Information
- Table 120. Axera Semiconductor Automotive Sensor IC Product Overview
- Table 121. Axera Semiconductor Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 122. Axera Semiconductor Business Overview

- Table 123. Axera Semiconductor Recent Developments
- Table 124. Autotalks Basic Information
- Table 125. Autotalks Automotive Sensor IC Product Overview
- Table 126. Autotalks Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 127. Autotalks Business Overview
- Table 128. Autotalks Recent Developments
- Table 129. Will Semiconductor Basic Information
- Table 130. Will Semiconductor Automotive Sensor IC Product Overview
- Table 131. Will Semiconductor Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 132. Will Semiconductor Business Overview
- Table 133. Will Semiconductor Recent Developments
- Table 134. FortSense Basic Information
- Table 135. FortSense Automotive Sensor IC Product Overview
- Table 136. FortSense Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 137. FortSense Business Overview
- Table 138. FortSense Recent Developments
- Table 139. Calterah Semiconductor Technology Basic Information
- Table 140. Calterah Semiconductor Technology Automotive Sensor IC Product Overview
- Table 141. Calterah Semiconductor Technology Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 142. Calterah Semiconductor Technology Business Overview
- Table 143. Calterah Semiconductor Technology Recent Developments
- Table 144. Muye Microelectronics Basic Information
- Table 145. Muye Microelectronics Automotive Sensor IC Product Overview
- Table 146. Muye Microelectronics Automotive Sensor IC Sales (K MT), Revenue (M USD), Price (USD/KG) and Gross Margin (2020-2025)
- Table 147. Muye Microelectronics Business Overview
- Table 148. Muye Microelectronics Recent Developments
- Table 149. Global Automotive Sensor IC Sales Forecast by Region (2026-2033) & (K MT)
- Table 150. Global Automotive Sensor IC Market Size Forecast by Region (2026-2033) & (M USD)
- Table 151. North America Automotive Sensor IC Sales Forecast by Country (2026-2033) & (K MT)
- Table 152. North America Automotive Sensor IC Market Size Forecast by Country

(2026-2033) & (M USD)

Table 153. Europe Automotive Sensor IC Sales Forecast by Country (2026-2033) & (K MT)

Table 154. Europe Automotive Sensor IC Market Size Forecast by Country (2026-2033) & (M USD)

Table 155. Asia Pacific Automotive Sensor IC Sales Forecast by Region (2026-2033) & (K MT)

Table 156. Asia Pacific Automotive Sensor IC Market Size Forecast by Region (2026-2033) & (M USD)

Table 157. South America Automotive Sensor IC Sales Forecast by Country (2026-2033) & (K MT)

Table 158. South America Automotive Sensor IC Market Size Forecast by Country (2026-2033) & (M USD)

Table 159. Middle East and Africa Automotive Sensor IC Sales Forecast by Country (2026-2033) & (Units)

Table 160. Middle East and Africa Automotive Sensor IC Market Size Forecast by Country (2026-2033) & (M USD)

Table 161. Global Automotive Sensor IC Sales Forecast by Type (2026-2033) & (K MT)

Table 162. Global Automotive Sensor IC Market Size Forecast by Type (2026-2033) & (M USD)

Table 163. Global Automotive Sensor IC Price Forecast by Type (2026-2033) & (USD/KG)

Table 164. Global Automotive Sensor IC Sales (K MT) Forecast by Application (2026-2033)

Table 165. Global Automotive Sensor IC Market Size Forecast by Application (2026-2033) & (M USD)

List Of Figures

LIST OF FIGURES

- Figure 1. Product Picture of Automotive Sensor IC
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Automotive Sensor IC Market Size (M USD), 2024-2033
- Figure 5. Global Automotive Sensor IC Market Size (M USD) (2020-2033)
- Figure 6. Global Automotive Sensor IC Sales (K MT) & (2020-2033)
- Figure 7. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 8. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 9. Evaluation Matrix of Regional Market Development Potential
- Figure 10. Automotive Sensor IC Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Automotive Sensor IC Product Life Cycle
- Figure 13. Automotive Sensor IC Sales Share by Manufacturers in 2024
- Figure 14. Global Automotive Sensor IC Revenue Share by Manufacturers in 2024
- Figure 15. Automotive Sensor IC Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2024
- Figure 16. Global Market Automotive Sensor IC Average Price (USD/KG) of Key Manufacturers in 2024
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Automotive Sensor IC Revenue in 2024
- Figure 18. Industry Chain Map of Automotive Sensor IC
- Figure 19. Global Automotive Sensor IC Market PEST Analysis
- Figure 20. Global Automotive Sensor IC Market Porter's Five Forces Analysis
- Figure 21. Global Merchandise Trade as a Percentage Of GDP
- Figure 22. US - Imports of Goods by Country
- Figure 23. China Exports by Country
- Figure 24. ESG Rating Distribution of The Leading Company Compared With Its Peers
- Figure 25. Evaluation Matrix of Segment Market Development Potential (Type)
- Figure 26. Global Automotive Sensor IC Market Share by Type
- Figure 27. Sales Market Share of Automotive Sensor IC by Type (2020-2025)
- Figure 28. Sales Market Share of Automotive Sensor IC by Type in 2024
- Figure 29. Market Size Share of Automotive Sensor IC by Type (2020-2025)
- Figure 30. Market Size Share of Automotive Sensor IC by Type in 2024
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)
- Figure 32. Global Automotive Sensor IC Market Share by Application

Figure 33. Global Automotive Sensor IC Sales Market Share by Application (2020-2025)

Figure 34. Global Automotive Sensor IC Sales Market Share by Application in 2024

Figure 35. Global Automotive Sensor IC Market Share by Application (2020-2025)

Figure 36. Global Automotive Sensor IC Market Share by Application in 2024

Figure 37. Global Automotive Sensor IC Sales Growth Rate by Application (2020-2025)

Figure 38. Global Automotive Sensor IC Sales Market Share by Region (2020-2025)

Figure 39. Global Automotive Sensor IC Market Size Market Share by Region (2020-2025)

Figure 40. North America Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 41. North America Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 42. North America Automotive Sensor IC Sales Market Share by Country in 2024

Figure 43. North America Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 44. North America Automotive Sensor IC Market Size Market Share by Country in 2024

Figure 45. U.S. Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 46. U.S. Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 47. Canada Automotive Sensor IC Sales (K MT) and Growth Rate (2020-2025)

Figure 48. Canada Automotive Sensor IC Market Size (M USD) and Growth Rate (2020-2025)

Figure 49. Mexico Automotive Sensor IC Sales (Units) and Growth Rate (2020-2025)

Figure 50. Mexico Automotive Sensor IC Market Size (Units) and Growth Rate (2020-2025)

Figure 51. Europe Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 52. Europe Automotive Sensor IC Sales Market Share by Country in 2024

Figure 53. Europe Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 54. Europe Automotive Sensor IC Market Size Market Share by Country in 2024

Figure 55. Germany Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 56. Germany Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 58. France Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

- Figure 60. U.K. Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 61. Italy Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 62. Italy Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 63. Spain Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 64. Spain Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 65. Asia Pacific Automotive Sensor IC Sales and Growth Rate (K MT)
- Figure 66. Asia Pacific Automotive Sensor IC Sales Market Share by Region in 2024
- Figure 67. Asia Pacific Automotive Sensor IC Market Size Market Share by Region in 2024
- Figure 68. China Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 69. China Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 70. Japan Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 71. Japan Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 72. South Korea Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 73. South Korea Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 74. India Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 75. India Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 76. Southeast Asia Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 77. Southeast Asia Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 78. South America Automotive Sensor IC Sales and Growth Rate (K MT)
- Figure 79. South America Automotive Sensor IC Sales Market Share by Country in 2024
- Figure 80. South America Automotive Sensor IC Market Size and Growth Rate (M USD)
- Figure 81. South America Automotive Sensor IC Market Size Market Share by Country in 2024
- Figure 82. Brazil Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)
- Figure 83. Brazil Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 84. Argentina Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K

MT)

Figure 85. Argentina Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 87. Columbia Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Automotive Sensor IC Sales and Growth Rate (K MT)

Figure 89. Middle East and Africa Automotive Sensor IC Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Automotive Sensor IC Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Automotive Sensor IC Market Size Market Share by Region in 2024

Figure 92. Saudi Arabia Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 93. Saudi Arabia Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 95. UAE Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 97. Egypt Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 99. Nigeria Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Automotive Sensor IC Sales and Growth Rate (2020-2025) & (K MT)

Figure 101. South Africa Automotive Sensor IC Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Automotive Sensor IC Production Market Share by Region (2020-2025)

Figure 103. North America Automotive Sensor IC Production (K MT) Growth Rate (2020-2025)

Figure 104. Europe Automotive Sensor IC Production (K MT) Growth Rate (2020-2025)

Figure 105. Japan Automotive Sensor IC Production (K MT) Growth Rate (2020-2025)

Figure 106. China Automotive Sensor IC Production (K MT) Growth Rate (2020-2025)

Figure 107. Global Automotive Sensor IC Sales Forecast by Volume (2020-2033) & (K

MT)

Figure 108. Global Automotive Sensor IC Market Size Forecast by Value (2020-2033) & (M USD)

Figure 109. Global Automotive Sensor IC Sales Market Share Forecast by Type (2026-2033)

Figure 110. Global Automotive Sensor IC Market Share Forecast by Type (2026-2033)

Figure 111. Global Automotive Sensor IC Sales Forecast by Application (2026-2033)

Figure 112. Global Automotive Sensor IC Market Share Forecast by Application (2026-2033)

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