

# Global Infrared Array Sensor Module Market Research Report 2026(Status and Outlook)

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## Abstracts

The 2025 U.S. tariff policies introduce profound uncertainty into the global economic landscape. This report critically examines the implications of recent tariff adjustments and international strategic countermeasures on Infrared Array Sensor Module competitive dynamics, regional economic interdependencies, and supply chain reconfigurations. An Infrared Array Sensor Module is an electronic sensing device that uses a grid (array) of infrared-sensitive elements to detect thermal radiation (infrared energy) from objects, people, or environments and then outputs processed data for use in applications such as motion detection, people counting, thermal imaging, and gesture recognition. It is essentially a packaged module that integrates an infrared sensor array with supporting electronics to make it easier to use in end products. In 2024, global Infrared Array Sensor Module sales volume reached approximately 28.4 million units, with an average global market price of around US\$ 14.2 per unit.

The global Infrared Array Sensor Module market size was estimated at USD 404.0 million in 2025 and is projected to grow at a compound annual growth rate (CAGR) of 7.80% during the forecast period.

This report offers a comprehensive and in-depth analysis of the global Infrared Array Sensor Module market, covering all critical facets from a broad macroeconomic overview to detailed micro-level insights. It examines market size, competitive landscape, emerging development trends, niche segments, key drivers and challenges, as well as conducts SWOT and value chain analyses.

The insights provided enable readers to understand the competitive dynamics within the industry and formulate effective strategies to enhance profitability and market positioning. Additionally, the report presents a clear framework for evaluating the current

status and future outlook of business organizations operating in this sector.

A significant focus of this report lies in the competitive landscape of the global Infrared Array Sensor Module market. It offers detailed profiles of major players, including their market shares, performance metrics, product portfolios, and operational status. This enables stakeholders to identify leading competitors and gain a nuanced understanding of market rivalry and structure.

In summary, this report serves as an essential resource for industry participants, investors, researchers, consultants, and business strategists, as well as anyone planning to enter or expand their presence in the Infrared Array Sensor Module market.

### **Global Infrared Array Sensor Module Market: Market Segmentation Analysis**

This research report provides a detailed segmentation of the market by region (country), key manufacturers, product type, and application. Market segmentation divides the overall market into distinct subsets based on factors such as product categories, end-user industries, geographic locations, and other relevant criteria.

A clear understanding of these market segments enables decision-makers to tailor their product development, sales, and marketing strategies more effectively to meet the unique needs of each segment. Leveraging market segmentation insights can significantly enhance targeted approaches, optimize resource allocation, and accelerate product innovation cycles by aligning offerings with the specific demands of diverse customer groups.

### **Key Company**

Seiko NPC

Heimann Sensor

Excelitas Technologies

Teledyne FLIR

Lynred

Melexis

Panasonic

Amphemol

Omron Corporation

Azbil Corporation

Exosens

## **Market Segmentation (by Type)**

Thermopile Type  
Pyroelectric Type

## **Market Segmentation (by Application)**

Security and Surveillance  
Home Appliance  
Healthcare  
Industrial  
Other

## **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 Infrared Array Sensor Module Market  
Overview of the regional outlook of the Infrared Array Sensor Module 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 Infrared Array Sensor Module 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 Infrared Array Sensor Module, 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 Infrared Array Sensor Module

1.2 Key Market Segments

1.2.1 Infrared Array Sensor Module Segment by Type

1.2.2 Infrared Array Sensor Module 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 INFRARED ARRAY SENSOR MODULE MARKET OVERVIEW**

2.1 Global Market Overview

2.1.1 Global Infrared Array Sensor Module Market Size (M USD) Estimates and Forecasts (2020-2035)

2.1.2 Global Infrared Array Sensor Module Sales Estimates and Forecasts (2020-2035)

2.2 Market Segment Executive Summary

2.3 Global Market Size by Region

### **3 INFRARED ARRAY SENSOR MODULE MARKET COMPETITIVE LANDSCAPE**

3.1 Company Assessment Quadrant

3.2 Global Infrared Array Sensor Module Product Life Cycle

3.3 Global Infrared Array Sensor Module Sales by Manufacturers (2020-2025)

3.4 Global Infrared Array Sensor Module Revenue Market Share by Manufacturers (2020-2025)

3.5 Infrared Array Sensor Module Market Share by Company Type (Tier 1, Tier 2, and Tier 3)

3.6 Global Infrared Array Sensor Module Average Price by Manufacturers (2020-2025)

3.7 Manufacturers? Manufacturing Sites, Areas Served, and Product Types

3.8 Infrared Array Sensor Module Market Competitive Situation and Trends

3.8.1 Infrared Array Sensor Module Market Concentration Rate

3.8.2 Global 5 and 10 Largest Infrared Array Sensor Module Players Market Share by

Revenue

3.8.3 Mergers & Acquisitions, Expansion

## **4 INFRARED ARRAY SENSOR MODULE INDUSTRY CHAIN ANALYSIS**

4.1 Infrared Array Sensor Module 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 INFRARED ARRAY SENSOR MODULE 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 Infrared Array Sensor Module 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 Infrared Array Sensor Module

Market

5.7 ESG Ratings of Leading Companies

## **6 INFRARED ARRAY SENSOR MODULE MARKET SEGMENTATION BY TYPE**

6.1 Evaluation Matrix of Segment Market Development Potential (Type)

6.2 Global Infrared Array Sensor Module Sales Market Share by Type (2020-2025)

6.3 Global Infrared Array Sensor Module Market Size by Type (2020-2025)

6.4 Global Infrared Array Sensor Module Price by Type (2020-2025)

## **7 INFRARED ARRAY SENSOR MODULE MARKET SEGMENTATION BY APPLICATION**

- 7.1 Evaluation Matrix of Segment Market Development Potential (Application)
- 7.2 Global Infrared Array Sensor Module Market Sales by Application (2020-2025)
- 7.3 Global Infrared Array Sensor Module Market Size (M USD) by Application (2020-2025)
- 7.4 Global Infrared Array Sensor Module Sales Growth Rate by Application (2020-2025)

## **8 INFRARED ARRAY SENSOR MODULE MARKET SALES BY REGION**

- 8.1 Global Infrared Array Sensor Module Sales by Region
  - 8.1.1 Global Infrared Array Sensor Module Sales by Region
  - 8.1.2 Global Infrared Array Sensor Module Sales Market Share by Region
- 8.2 Global Infrared Array Sensor Module Market Size by Region
  - 8.2.1 Global Infrared Array Sensor Module Market Size by Region
  - 8.2.2 Global Infrared Array Sensor Module Market Size by Region
- 8.3 North America
  - 8.3.1 North America Infrared Array Sensor Module Sales by Country
  - 8.3.2 North America Infrared Array Sensor Module 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 Infrared Array Sensor Module Sales by Country
  - 8.4.2 Europe Infrared Array Sensor Module 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 Infrared Array Sensor Module Sales by Region
  - 8.5.2 Asia Pacific Infrared Array Sensor Module 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 Infrared Array Sensor Module Sales by Country

#### 8.6.2 South America Infrared Array Sensor Module 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 Infrared Array Sensor Module Sales by Region

#### 8.7.2 Middle East and Africa Infrared Array Sensor Module 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 INFRARED ARRAY SENSOR MODULE MARKET PRODUCTION BY REGION**

### 9.1 Global Production of Infrared Array Sensor Module by Region(2020-2025)

### 9.2 Global Infrared Array Sensor Module Revenue Market Share by Region (2020-2025)

### 9.3 Global Infrared Array Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

### 9.4 North America Infrared Array Sensor Module Production

#### 9.4.1 North America Infrared Array Sensor Module Production Growth Rate (2020-2025)

#### 9.4.2 North America Infrared Array Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

### 9.5 Europe Infrared Array Sensor Module Production

#### 9.5.1 Europe Infrared Array Sensor Module Production Growth Rate (2020-2025)

#### 9.5.2 Europe Infrared Array Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

### 9.6 Japan Infrared Array Sensor Module Production (2020-2025)

#### 9.6.1 Japan Infrared Array Sensor Module Production Growth Rate (2020-2025)

#### 9.6.2 Japan Infrared Array Sensor Module Production, Revenue, Price and Gross Margin (2020-2025)

### 9.7 China Infrared Array Sensor Module Production (2020-2025)

#### 9.7.1 China Infrared Array Sensor Module Production Growth Rate (2020-2025)

#### 9.7.2 China Infrared Array Sensor Module Production, Revenue, Price and Gross

Margin (2020-2025)

## **10 KEY COMPANIES PROFILE**

### 10.1 Seiko NPC

- 10.1.1 Seiko NPC Basic Information
- 10.1.2 Seiko NPC Infrared Array Sensor Module Product Overview
- 10.1.3 Seiko NPC Infrared Array Sensor Module Product Market Performance
- 10.1.4 Seiko NPC Business Overview
- 10.1.5 Seiko NPC SWOT Analysis
- 10.1.6 Seiko NPC Recent Developments

### 10.2 Heimann Sensor

- 10.2.1 Heimann Sensor Basic Information
- 10.2.2 Heimann Sensor Infrared Array Sensor Module Product Overview
- 10.2.3 Heimann Sensor Infrared Array Sensor Module Product Market Performance
- 10.2.4 Heimann Sensor Business Overview
- 10.2.5 Heimann Sensor SWOT Analysis
- 10.2.6 Heimann Sensor Recent Developments

### 10.3 Excelitas Technologies

- 10.3.1 Excelitas Technologies Basic Information
- 10.3.2 Excelitas Technologies Infrared Array Sensor Module Product Overview
- 10.3.3 Excelitas Technologies Infrared Array Sensor Module Product Market Performance
- 10.3.4 Excelitas Technologies Business Overview
- 10.3.5 Excelitas Technologies SWOT Analysis
- 10.3.6 Excelitas Technologies Recent Developments

### 10.4 Teledyne FLIR

- 10.4.1 Teledyne FLIR Basic Information
- 10.4.2 Teledyne FLIR Infrared Array Sensor Module Product Overview
- 10.4.3 Teledyne FLIR Infrared Array Sensor Module Product Market Performance
- 10.4.4 Teledyne FLIR Business Overview
- 10.4.5 Teledyne FLIR Recent Developments

### 10.5 Lynred

- 10.5.1 Lynred Basic Information
- 10.5.2 Lynred Infrared Array Sensor Module Product Overview
- 10.5.3 Lynred Infrared Array Sensor Module Product Market Performance
- 10.5.4 Lynred Business Overview
- 10.5.5 Lynred Recent Developments

### 10.6 Melexis

- 10.6.1 Melexis Basic Information
- 10.6.2 Melexis Infrared Array Sensor Module Product Overview
- 10.6.3 Melexis Infrared Array Sensor Module Product Market Performance
- 10.6.4 Melexis Business Overview
- 10.6.5 Melexis Recent Developments
- 10.7 Panasonic
  - 10.7.1 Panasonic Basic Information
  - 10.7.2 Panasonic Infrared Array Sensor Module Product Overview
  - 10.7.3 Panasonic Infrared Array Sensor Module Product Market Performance
  - 10.7.4 Panasonic Business Overview
  - 10.7.5 Panasonic Recent Developments
- 10.8 Amphemol
  - 10.8.1 Amphemol Basic Information
  - 10.8.2 Amphemol Infrared Array Sensor Module Product Overview
  - 10.8.3 Amphemol Infrared Array Sensor Module Product Market Performance
  - 10.8.4 Amphemol Business Overview
  - 10.8.5 Amphemol Recent Developments
- 10.9 Omron Corporation
  - 10.9.1 Omron Corporation Basic Information
  - 10.9.2 Omron Corporation Infrared Array Sensor Module Product Overview
  - 10.9.3 Omron Corporation Infrared Array Sensor Module Product Market Performance
  - 10.9.4 Omron Corporation Business Overview
  - 10.9.5 Omron Corporation Recent Developments
- 10.10 Azbil Corporation
  - 10.10.1 Azbil Corporation Basic Information
  - 10.10.2 Azbil Corporation Infrared Array Sensor Module Product Overview
  - 10.10.3 Azbil Corporation Infrared Array Sensor Module Product Market Performance
  - 10.10.4 Azbil Corporation Business Overview
  - 10.10.5 Azbil Corporation Recent Developments
- 10.11 Exosens
  - 10.11.1 Exosens Basic Information
  - 10.11.2 Exosens Infrared Array Sensor Module Product Overview
  - 10.11.3 Exosens Infrared Array Sensor Module Product Market Performance
  - 10.11.4 Exosens Business Overview
  - 10.11.5 Exosens Recent Developments

## **11 INFRARED ARRAY SENSOR MODULE MARKET FORECAST BY REGION**

### 11.1 Global Infrared Array Sensor Module Market Size Forecast

## 11.2 Global Infrared Array Sensor Module Market Forecast by Region

11.2.1 North America Market Size Forecast by Country

11.2.2 Europe Infrared Array Sensor Module Market Size Forecast by Country

11.2.3 Asia Pacific Infrared Array Sensor Module Market Size Forecast by Region

11.2.4 South America Infrared Array Sensor Module Market Size Forecast by Country

11.2.5 Middle East and Africa Forecasted Sales of Infrared Array Sensor Module by Country

## **12 FORECAST MARKET BY TYPE AND BY APPLICATION (2026-2035)**

12.1 Global Infrared Array Sensor Module Market Forecast by Type (2026-2035)

12.1.1 Global Forecasted Sales of Infrared Array Sensor Module by Type (2026-2035)

12.1.2 Global Infrared Array Sensor Module Market Size Forecast by Type (2026-2035)

12.1.3 Global Forecasted Price of Infrared Array Sensor Module by Type (2026-2035)

12.2 Global Infrared Array Sensor Module Market Forecast by Application (2026-2035)

12.2.1 Global Infrared Array Sensor Module Sales (K Units) Forecast by Application

12.2.2 Global Infrared Array Sensor Module Market Size (M USD) Forecast by Application (2026-2035)

## **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. Global Infrared Array Sensor Module Market Size by Type (M USD)

Table 4. Global Infrared Array Sensor Module Market Size by Application

Table 5. Infrared Array Sensor Module Market Size Comparison by Region (M USD)

Table 6. Global Infrared Array Sensor Module Sales (K Units) by Manufacturers (2020-2025)

Table 7. Global Infrared Array Sensor Module Sales Market Share by Manufacturers (2020-2025)

Table 8. Global Infrared Array Sensor Module Revenue (M USD) by Manufacturers (2020-2025)

Table 9. Global Infrared Array Sensor Module Revenue Share by Manufacturers (2020-2025)

Table 10. Company Type (Tier 1, Tier 2, and Tier 3) & (based on the Revenue in Infrared Array Sensor Module as of 2025)

Table 11. Global Market Infrared Array Sensor Module Average Price (USD/Unit) of Key Manufacturers (2020-2025)

Table 12. Manufacturers? Manufacturing Sites, Areas Served

Table 13. Manufacturers? Product Type

Table 14. Global Infrared Array Sensor Module Manufacturers Market Concentration Ratio (CR5 and HHI)

Table 15. Mergers & Acquisitions, Expansion Plans

Table 16. Market Overview of Key Raw Materials

Table 17. Midstream Market Analysis

Table 18. Downstream Customer Analysis

Table 19. Key Development Trends

Table 20. Driving Factors

Table 21. Infrared Array Sensor Module Market Challenges

Table 22. Goldman Sachs' forecast real GDP growth rate for 2025-2026

Table 23. S&P Global ' Forecast Real GDP Growth Rate For 2025-2027

Table 24. World Bank ' Forecast Real GDP Growth Rate For 2025-2026

Table 25. The Tariff Rates Imposed by the United States on Major Commodity Trading Countries

Table 26. Global Infrared Array Sensor Module Sales by Type (K Units)

Table 27. Global Infrared Array Sensor Module Market Size by Type (M USD)

Table 28. Global Infrared Array Sensor Module Sales (K Units) by Type (2020-2025)

Table 29. Global Infrared Array Sensor Module Sales Market Share by Type (2020-2025)

Table 30. Global Infrared Array Sensor Module Market Size (M USD) by Type (2020-2025)

Table 31. Global Infrared Array Sensor Module Market Share by Type (2020-2025)

Table 32. Global Infrared Array Sensor Module Price (USD/Unit) by Type (2020-2025)

Table 33. Global Infrared Array Sensor Module Sales (K Units) by Application

Table 34. Global Infrared Array Sensor Module Market Size by Application

Table 35. Global Infrared Array Sensor Module Sales by Application (2020-2025) & (K Units)

Table 36. Global Infrared Array Sensor Module Sales Market Share by Application (2020-2025)

Table 37. Global Infrared Array Sensor Module Market Size by Application (2020-2025) & (M USD)

Table 38. Global Infrared Array Sensor Module Market Share by Application (2020-2025)

Table 39. Global Infrared Array Sensor Module Sales Growth Rate by Application (2020-2025)

Table 40. Global Infrared Array Sensor Module Sales by Region (2020-2025) & (K Units)

Table 41. Global Infrared Array Sensor Module Sales Market Share by Region (2020-2025)

Table 42. Global Infrared Array Sensor Module Market Size by Region (2020-2025) & (M USD)

Table 43. Global Infrared Array Sensor Module Market Size by Region (2020-2025)

Table 44. North America Infrared Array Sensor Module Sales by Country (2020-2025) & (K Units)

Table 45. North America Infrared Array Sensor Module Market Size by Country (2020-2025) & (M USD)

Table 46. Europe Infrared Array Sensor Module Sales by Country (2020-2025) & (K Units)

Table 47. Europe Infrared Array Sensor Module Market Size by Country (2020-2025) & (M USD)

Table 48. Asia Pacific Infrared Array Sensor Module Sales by Region (2020-2025) & (K Units)

Table 49. Asia Pacific Infrared Array Sensor Module Market Size by Region (2020-2025) & (M USD)

Table 50. South America Infrared Array Sensor Module Sales by Country (2020-2025) &

(K Units)

Table 51. South America Infrared Array Sensor Module Market Size by Country (2020-2025) & (M USD)

Table 52. Middle East and Africa Infrared Array Sensor Module Sales by Region (2020-2025) & (K Units)

Table 53. Middle East and Africa Infrared Array Sensor Module Market Size by Region (2020-2025) & (M USD)

Table 54. Global Infrared Array Sensor Module Production (K Units) by Region(2020-2025)

Table 55. Global Infrared Array Sensor Module Revenue (US\$ Million) by Region (2020-2025)

Table 56. Global Infrared Array Sensor Module Revenue Market Share by Region (2020-2025)

Table 57. Global Infrared Array Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 58. North America Infrared Array Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 59. Europe Infrared Array Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 60. Japan Infrared Array Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 61. China Infrared Array Sensor Module Production (K Units), Revenue (US\$ Million), Price (USD/Unit) and Gross Margin (2020-2025)

Table 62. Seiko NPC Basic Information

Table 63. Seiko NPC Infrared Array Sensor Module Product Overview

Table 64. Seiko NPC Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 65. Seiko NPC Business Overview

Table 66. Seiko NPC SWOT Analysis

Table 67. Seiko NPC Recent Developments

Table 68. Heimann Sensor Basic Information

Table 69. Heimann Sensor Infrared Array Sensor Module Product Overview

Table 70. Heimann Sensor Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

Table 71. Heimann Sensor Business Overview

Table 72. Heimann Sensor SWOT Analysis

Table 73. Heimann Sensor Recent Developments

Table 74. Excelitas Technologies Basic Information

Table 75. Excelitas Technologies Infrared Array Sensor Module Product Overview

- Table 76. Excelitas Technologies Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 77. Excelitas Technologies Business Overview
- Table 78. Excelitas Technologies SWOT Analysis
- Table 79. Excelitas Technologies Recent Developments
- Table 80. Teledyne FLIR Basic Information
- Table 81. Teledyne FLIR Infrared Array Sensor Module Product Overview
- Table 82. Teledyne FLIR Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 83. Teledyne FLIR Business Overview
- Table 84. Teledyne FLIR Recent Developments
- Table 85. Lynred Basic Information
- Table 86. Lynred Infrared Array Sensor Module Product Overview
- Table 87. Lynred Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 88. Lynred Business Overview
- Table 89. Lynred Recent Developments
- Table 90. Melexis Basic Information
- Table 91. Melexis Infrared Array Sensor Module Product Overview
- Table 92. Melexis Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 93. Melexis Business Overview
- Table 94. Melexis Recent Developments
- Table 95. Panasonic Basic Information
- Table 96. Panasonic Infrared Array Sensor Module Product Overview
- Table 97. Panasonic Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 98. Panasonic Business Overview
- Table 99. Panasonic Recent Developments
- Table 100. Amphemol Basic Information
- Table 101. Amphemol Infrared Array Sensor Module Product Overview
- Table 102. Amphemol Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 103. Amphemol Business Overview
- Table 104. Amphemol Recent Developments
- Table 105. Omron Corporation Basic Information
- Table 106. Omron Corporation Infrared Array Sensor Module Product Overview
- Table 107. Omron Corporation Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)

- Table 108. Omron Corporation Business Overview
- Table 109. Omron Corporation Recent Developments
- Table 110. Azbil Corporation Basic Information
- Table 111. Azbil Corporation Infrared Array Sensor Module Product Overview
- Table 112. Azbil Corporation Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 113. Azbil Corporation Business Overview
- Table 114. Azbil Corporation Recent Developments
- Table 115. Exosens Basic Information
- Table 116. Exosens Infrared Array Sensor Module Product Overview
- Table 117. Exosens Infrared Array Sensor Module Sales (K Units), Revenue (M USD), Price (USD/Unit) and Gross Margin (2020-2025)
- Table 118. Exosens Business Overview
- Table 119. Exosens Recent Developments
- Table 120. Global Infrared Array Sensor Module Sales Forecast by Region (2026-2035) & (K Units)
- Table 121. Global Infrared Array Sensor Module Market Size Forecast by Region (2026-2035) & (M USD)
- Table 122. North America Infrared Array Sensor Module Sales Forecast by Country (2026-2035) & (K Units)
- Table 123. North America Infrared Array Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)
- Table 124. Europe Infrared Array Sensor Module Sales Forecast by Country (2026-2035) & (K Units)
- Table 125. Europe Infrared Array Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)
- Table 126. Asia Pacific Infrared Array Sensor Module Sales Forecast by Region (2026-2035) & (K Units)
- Table 127. Asia Pacific Infrared Array Sensor Module Market Size Forecast by Region (2026-2035) & (M USD)
- Table 128. South America Infrared Array Sensor Module Sales Forecast by Country (2026-2035) & (K Units)
- Table 129. South America Infrared Array Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)
- Table 130. Middle East and Africa Infrared Array Sensor Module Sales Forecast by Country (2026-2035) & (Units)
- Table 131. Middle East and Africa Infrared Array Sensor Module Market Size Forecast by Country (2026-2035) & (M USD)
- Table 132. Global Infrared Array Sensor Module Sales Forecast by Type (2026-2035) &

(K Units)

Table 133. Global Infrared Array Sensor Module Market Size Forecast by Type (2026-2035) & (M USD)

Table 134. Global Infrared Array Sensor Module Price Forecast by Type (2026-2035) & (USD/Unit)

Table 135. Global Infrared Array Sensor Module Sales (K Units) Forecast by Application (2026-2035)

Table 136. Global Infrared Array Sensor Module Market Size Forecast by Application (2026-2035) & (M USD)

## List Of Figures

### LIST OF FIGURES

- Figure 1. Product Picture of Infrared Array Sensor Module
- Figure 2. Data Triangulation
- Figure 3. Key Caveats
- Figure 4. Global Infrared Array Sensor Module Market Size (M USD), 2025-2035
- Figure 5. Global Infrared Array Sensor Module Market Size (M USD) (2020-2035)
- Figure 6. Global Infrared Array Sensor Module Sales (K Units) & (2020-2035)
- 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. Infrared Array Sensor Module Market Size by Country (M USD)
- Figure 11. Company Assessment Quadrant
- Figure 12. Global Infrared Array Sensor Module Product Life Cycle
- Figure 13. Infrared Array Sensor Module Sales Share by Manufacturers in 2025
- Figure 14. Global Infrared Array Sensor Module Revenue Share by Manufacturers in 2025
- Figure 15. Infrared Array Sensor Module Market Share by Company Type (Tier 1, Tier 2 and Tier 3): 2025
- Figure 16. Global Market Infrared Array Sensor Module Average Price (USD/Unit) of Key Manufacturers in 2025
- Figure 17. The Global 5 and 10 Largest Players: Market Share by Infrared Array Sensor Module Revenue in 2025
- Figure 18. Industry Chain Map of Infrared Array Sensor Module
- Figure 19. Global Infrared Array Sensor Module Market PEST Analysis
- Figure 20. Global Infrared Array Sensor Module 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 Infrared Array Sensor Module Market Share by Type
- Figure 27. Sales Market Share of Infrared Array Sensor Module by Type (2020-2025)
- Figure 28. Sales Market Share of Infrared Array Sensor Module by Type in 2025
- Figure 29. Market Share of Infrared Array Sensor Module by Type (2020-2025)
- Figure 30. Market Share of Infrared Array Sensor Module by Type in 2025
- Figure 31. Evaluation Matrix of Segment Market Development Potential (Application)

- Figure 32. Global Infrared Array Sensor Module Market Share by Application
- Figure 33. Global Infrared Array Sensor Module Sales Market Share by Application (2020-2025)
- Figure 34. Global Infrared Array Sensor Module Sales Market Share by Application in 2025
- Figure 35. Global Infrared Array Sensor Module Market Share by Application (2020-2025)
- Figure 36. Global Infrared Array Sensor Module Market Share by Application in 2025
- Figure 37. Global Infrared Array Sensor Module Sales Growth Rate by Application (2020-2025)
- Figure 38. Global Infrared Array Sensor Module Sales Market Share by Region (2020-2025)
- Figure 39. Global Infrared Array Sensor Module Market Size by Region (2020-2025)
- Figure 40. North America Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 41. North America Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 42. North America Infrared Array Sensor Module Sales Market Share by Country in 2024
- Figure 43. North America Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 44. North America Infrared Array Sensor Module Market Size by Country in 2024
- Figure 45. U.S. Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 46. U.S. Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)
- Figure 47. Canada Infrared Array Sensor Module Sales (K Units) and Growth Rate (2020-2025)
- Figure 48. Canada Infrared Array Sensor Module Market Size (M USD) and Growth Rate (2020-2025)
- Figure 49. Mexico Infrared Array Sensor Module Sales (Units) and Growth Rate (2020-2025)
- Figure 50. Mexico Infrared Array Sensor Module Market Size (Units) and Growth Rate (2020-2025)
- Figure 51. Europe Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)
- Figure 52. Europe Infrared Array Sensor Module Sales Market Share by Country in 2024
- Figure 53. Europe Infrared Array Sensor Module Market Size and Growth Rate

(2020-2025) & (M USD)

Figure 54. Europe Infrared Array Sensor Module Market Size by Country in 2024

Figure 55. Germany Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 56. Germany Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 57. France Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 58. France Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 59. U.K. Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 60. U.K. Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 61. Italy Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 62. Italy Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 63. Spain Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 64. Spain Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 65. Asia Pacific Infrared Array Sensor Module Sales and Growth Rate (K Units)

Figure 66. Asia Pacific Infrared Array Sensor Module Sales Market Share by Region in 2024

Figure 67. Asia Pacific Infrared Array Sensor Module Market Size by Region in 2024

Figure 68. China Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 69. China Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 70. Japan Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 71. Japan Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 72. South Korea Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 73. South Korea Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 74. India Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K

Units)

Figure 75. India Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 76. Southeast Asia Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 77. Southeast Asia Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 78. South America Infrared Array Sensor Module Sales and Growth Rate (K Units)

Figure 79. South America Infrared Array Sensor Module Sales Market Share by Country in 2024

Figure 80. South America Infrared Array Sensor Module Market Size and Growth Rate (M USD)

Figure 81. South America Infrared Array Sensor Module Market Size by Country in 2024

Figure 82. Brazil Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 83. Brazil Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 84. Argentina Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 85. Argentina Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 86. Columbia Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 87. Columbia Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 88. Middle East and Africa Infrared Array Sensor Module Sales and Growth Rate (K Units)

Figure 89. Middle East and Africa Infrared Array Sensor Module Sales Market Share by Region in 2024

Figure 90. Middle East and Africa Infrared Array Sensor Module Market Size and Growth Rate (M USD)

Figure 91. Middle East and Africa Infrared Array Sensor Module Market Size by Region in 2024

Figure 92. Saudi Arabia Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 93. Saudi Arabia Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 94. UAE Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K

Units)

Figure 95. UAE Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 96. Egypt Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 97. Egypt Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 98. Nigeria Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 99. Nigeria Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 100. South Africa Infrared Array Sensor Module Sales and Growth Rate (2020-2025) & (K Units)

Figure 101. South Africa Infrared Array Sensor Module Market Size and Growth Rate (2020-2025) & (M USD)

Figure 102. Global Infrared Array Sensor Module Production Market Share by Region (2020-2025)

Figure 103. North America Infrared Array Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 104. Europe Infrared Array Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 105. Japan Infrared Array Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 106. China Infrared Array Sensor Module Production (K Units) Growth Rate (2020-2025)

Figure 107. Global Infrared Array Sensor Module Sales Forecast by Volume (2020-2035) & (K Units)

Figure 108. Global Infrared Array Sensor Module Market Size Forecast by Value (2020-2035) & (M USD)

Figure 109. Global Infrared Array Sensor Module Sales Market Share Forecast by Type (2026-2035)

Figure 110. Global Infrared Array Sensor Module Market Share Forecast by Type (2026-2035)

Figure 111. Global Infrared Array Sensor Module Sales Forecast by Application (2026-2035)

Figure 112. Global Infrared Array Sensor Module Market Share Forecast by Application (2026-2035)

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