

# Global Infrared Array Sensor Market Growth 2026-2032

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## Abstracts

The global Infrared Array Sensor market size is predicted to grow from US\$ 647 million in 2025 to US\$ 1352 million in 2032; it is expected to grow at a CAGR of 11.1% from 2026 to 2032.

An Infrared Array Sensor is a type of sensor that consists of a two-dimensional array of multiple infrared (IR) sensing elements (pixels), allowing it to detect temperature variations and create thermal images or heat maps of objects or environments.

The Infrared Array Sensor market is experiencing several notable trends: Increasing demand for contactless sensing solutions: Infrared array sensors offer contactless sensing capabilities, making them ideal for applications where physical contact is not desirable or feasible. With the growing need for non-contact sensing solutions in various industries, such as automotive, consumer electronics, healthcare, and industrial automation, the demand for infrared array sensors is increasing. Advancements in technology: The continuous advancements in infrared array sensor technology are driving market growth. Manufacturers are developing sensors with improved resolution, sensitivity, and accuracy, enabling better detection and measurement capabilities. Additionally, the integration of advanced features like thermal imaging, gesture recognition, and object tracking is expanding the potential applications of infrared array sensors.

LP Information, Inc. (LPI) ' newest research report, the 'Infrared Array Sensor Industry Forecast' looks at past sales and reviews total world Infrared Array Sensor sales in 2025, providing a comprehensive analysis by region and market sector of projected Infrared Array Sensor sales for 2026 through 2032. With Infrared Array Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed

analysis in US\$ millions of the world Infrared Array Sensor industry.

This Insight Report provides a comprehensive analysis of the global Infrared Array Sensor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Infrared Array Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Infrared Array Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Infrared Array Sensor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Infrared Array Sensor.

This report presents a comprehensive overview, market shares, and growth opportunities of Infrared Array Sensor market by product type, application, key manufacturers and key regions and countries.

#### Segmentation by Type:

Cooled IR Sensor

Uncooled IR Sensor

#### Segmentation by Product:

Thermopile Array Sensor

Pyroelectric Array Sensor

Other

#### Segmentation by Resolution:

High Resolution

Low Resolution

Segmentation by Application:

Security and Surveillance

Home Appliance

Healthcare

Industrial

Other

This report also splits the market by region:

Americas

United States

Canada

Mexico

Brazil

APAC

China

Japan

Korea

Southeast Asia

India

Australia

Europe

Germany

France

UK

Italy

Russia

Middle East & Africa

Egypt

South Africa

Israel

Turkey

GCC Countries

The below companies that are profiled have been selected based on inputs gathered from primary experts and analysing the company's coverage, product portfolio, its market penetration.

Excelitas Technologies

Teledyne FLIR

Lynred

Melexis

Panasonic

Amphenol

Omron Corporation

Heimann Sensor

Azbil Corporation

Exosens

Seiko NPC

Dali Technology

KODENSHI

Orisystech

Sunshine Technologies

## **Key Questions Addressed in this Report**

What is the 10-year outlook for the global Infrared Array Sensor market?

What factors are driving Infrared Array Sensor market growth, globally and by region?

Which technologies are poised for the fastest growth by market and region?

How do Infrared Array Sensor market opportunities vary by end market size?

How does Infrared Array Sensor break out by Type, by Application?



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