

Global Infrared Array Sensor Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global Infrared Array Sensor market size is expected to reach \$ 1373 million by 2032, rising at a market growth of 10.4% CAGR during the forecast period (2026-2032).

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.

This report studies the global Infrared Array Sensor production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for Infrared Array Sensor and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and

competition, as well as details the characteristics of Infrared Array Sensor that contribute to its increasing demand across many markets.

Highlights and key features of the study

Global Infrared Array Sensor total production and demand, 2021-2032, (K Units)

Global Infrared Array Sensor total production value, 2021-2032, (USD Million)

Global Infrared Array Sensor production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global Infrared Array Sensor consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: Infrared Array Sensor domestic production, consumption, key domestic manufacturers and share

Global Infrared Array Sensor production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global Infrared Array Sensor production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global Infrared Array Sensor production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global Infrared Array Sensor market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Excelitas Technologies, Teledyne FLIR, Lynred, Melexis, Panasonic, Amphenol, Omron Corporation, Heimann Sensor, Azbil Corporation, Exosens, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World Infrared Array Sensor market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global Infrared Array Sensor Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global Infrared Array Sensor Market, Segmentation by Type:

Cooled IR Sensor

Uncooled IR Sensor

Global Infrared Array Sensor Market, Segmentation by Product:

Thermopile Array Sensor

Pyroelectric Array Sensor

Other

Global Infrared Array Sensor Market, Segmentation by Resolution:

High Resolution

Low Resolution

Global Infrared Array Sensor Market, Segmentation by Application:

Security and Surveillance

Home Appliance

Healthcare

Industrial

Other

Companies Profiled:

Excelitas Technologies

Teledyne FLIR

Lynred

Melexis

Panasonic

Amphemol

Omron Corporation

Heimann Sensor

Azbil Corporation

Exosens

Seiko NPC

Dali Technology

KODENSHI

Orisystech

Sunshine Technologies

Key Questions Answered:

1. How big is the global Infrared Array Sensor market?
2. What is the demand of the global Infrared Array Sensor market?
3. What is the year over year growth of the global Infrared Array Sensor market?
4. What is the production and production value of the global Infrared Array Sensor market?
5. Who are the key producers in the global Infrared Array Sensor market?
6. What are the growth factors driving the market demand?

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