

Global Infrared Motion Sensor Market Growth 2025-2031

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Abstracts

The global Infrared Motion Sensor market size is predicted to grow from US\$ 1393 million in 2025 to US\$ 2421 million in 2031; it is expected to grow at a CAGR of 9.6% from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

An infrared motion sensor is an electronic device used to detect and sense infrared radiation in the surrounding environment. They are often used to monitor the movement or presence of objects, especially in security systems, automatic lighting, automatic door control, driverless vehicles, home automation, etc.

The CAGR of the infrared sensor market is driven by the growing demand for autonomous vehicles equipped with infrared sensors for applications such as night vision systems and the growing demand for thermal imaging-enabled safety equipment, especially in fog Detect targets or terrorist activities under hazy atmospheric conditions. Furthermore, significant advancements in nanotechnology in consumer electronics, with the help of augmented reality, are expected to open up new markets for the infrared sensor business.

LP Information, Inc. (LPI) ' newest research report, the "Infrared Motion Sensor Industry Forecast" looks at past sales and reviews total world Infrared Motion Sensor sales in 2024, providing a comprehensive analysis by region and market sector of projected Infrared Motion Sensor sales for 2025 through 2031. With Infrared Motion Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed

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

This Insight Report provides a comprehensive analysis of the global Infrared Motion 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 Motion Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Infrared Motion Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Infrared Motion 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 Motion Sensor.

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

Segmentation by Type:

Passive Infrared Sensor

Imaging Infrared Sensor

Segmentation by Application:

Consumer Electronics

Automotive

Security

Others

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

NXP Semiconductor

KEMET

Microchip Technology

InvenSense

Kionix

Panasonic

Murata

Key Questions Addressed in this Report

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

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

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

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

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

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