

Global Passive Infrared (PIR) Motion Sensor Market Growth 2025-2031

<https://marketpublishers.com/r/G25296713228EN.html>

Date: November 2025

Pages: 103

Price: US\$ 3,660.00 (Single User License)

ID: G25296713228EN

Abstracts

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

A PIR motion sensor detects infrared (IR) radiation to detect the presence of an object in its close proximity.

With increasing use of passive infrared motion sensors in these devices, the market is showing substantial growth over the forecast period and is thus acting as a major driver of the market. High cost of passive infrared motion sensors and lack of availability of cheaper alternatives is a major restraint hindering the growth of the PIR motion sensor market. In addition, passive infrared motion sensors cannot detect objects moving at a very low speed which is also a major hindrance in the growth of the overall market.

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

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

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

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

Segmentation by Type:

Heat Detector

Smoke Detector

Others

Segmentation by Application:

Security

Commercial

Smart Home

Military And Defense

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.

Atmel

Honeywell International

Murata Manufacturing

Panasonic

Robert Bosch GmbH

Cypress Semiconductor

Elmos Semiconductor

Epson Toyocom

Key Questions Addressed in this Report

What is the 10-year outlook for the global Passive Infrared (PIR) Motion Sensor market?
What factors are driving Passive Infrared (PIR) Motion Sensor market growth, globally and by region?

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

How do Passive Infrared (PIR) Motion Sensor market opportunities vary by end market size?

How does Passive Infrared (PIR) Motion Sensor break out by Type, by Application?

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