

# Global Passive Infrared (PIR) Motion Sensor Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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## Abstracts

According to our (Global Info Research) latest study, the global Passive Infrared (PIR) Motion Sensor market size was valued at USD million in 2023 and is forecast to a readjusted size of USD million by 2030 with a CAGR of % during review period.

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.

The Global Info Research report includes an overview of the development of the Passive Infrared (PIR) Motion Sensor industry chain, the market status of Security (Heat Detector, Smoke Detector), Commercial (Heat Detector, Smoke Detector), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of Passive Infrared (PIR) Motion Sensor.

Regionally, the report analyzes the Passive Infrared (PIR) Motion Sensor markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global Passive Infrared (PIR) Motion Sensor market, with robust

domestic demand, supportive policies, and a strong manufacturing base.

#### Key Features:

The report presents comprehensive understanding of the Passive Infrared (PIR) Motion Sensor market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the Passive Infrared (PIR) Motion Sensor industry.

The report involves analyzing the market at a macro level:

**Market Sizing and Segmentation:** Report collect data on the overall market size, including the sales quantity (Units), revenue generated, and market share of different by Type (e.g., Heat Detector, Smoke Detector).

**Industry Analysis:** Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the Passive Infrared (PIR) Motion Sensor market.

**Regional Analysis:** The report involves examining the Passive Infrared (PIR) Motion Sensor market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

**Market Projections:** Report covers the gathered data and analysis to make future projections and forecasts for the Passive Infrared (PIR) Motion Sensor market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to Passive Infrared (PIR) Motion Sensor:

**Company Analysis:** Report covers individual Passive Infrared (PIR) Motion Sensor manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

**Consumer Analysis:** Report covers data on consumer behaviour, preferences, and

attitudes towards Passive Infrared (PIR) Motion Sensor This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Security, Commercial).

**Technology Analysis:** Report covers specific technologies relevant to Passive Infrared (PIR) Motion Sensor. It assesses the current state, advancements, and potential future developments in Passive Infrared (PIR) Motion Sensor areas.

**Competitive Landscape:** By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the Passive Infrared (PIR) Motion Sensor market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

**Market Validation:** The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

## Market Segmentation

Passive Infrared (PIR) Motion Sensor market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

### Market segment by Type

Heat Detector

Smoke Detector

Others

### Market segment by Application

Security

Commercial

Smart Home

## Military And Defense

### Major players covered

Atmel

Honeywell International

Murata Manufacturing

Panasonic

Robert Bosch GmbH

Cypress Semiconductor

Elmos Semiconductor

Epson Toyocom

### Market segment by region, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

Asia-Pacific (China, Japan, Korea, India, Southeast Asia, and Australia)

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe Passive Infrared (PIR) Motion Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Passive Infrared (PIR) Motion Sensor, with price, sales, revenue and global market share of Passive Infrared (PIR) Motion Sensor from 2019 to 2024.

Chapter 3, the Passive Infrared (PIR) Motion Sensor competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Passive Infrared (PIR) Motion Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value and market share for key countries in the world, from 2017 to 2023. and Passive Infrared (PIR) Motion Sensor market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

Chapter 12, market dynamics, drivers, restraints, trends and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of Passive Infrared (PIR) Motion Sensor.

Chapter 14 and 15, to describe Passive Infrared (PIR) Motion Sensor sales channel, distributors, customers, research findings and conclusion.

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