

Global Passive Infrared Detector (PIR) Market Growth 2024-2030

<https://marketpublishers.com/r/G51EAD57016EN.html>

Date: March 2024

Pages: 114

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

ID: G51EAD57016EN

Abstracts

The report requires updating with new data and is sent in 48 hours after order is placed.

According to our LPI (LP Information) latest study, the global Passive Infrared Detector (PIR) market size was valued at US\$ 331.2 million in 2023. With growing demand in downstream market, the Passive Infrared Detector (PIR) is forecast to a readjusted size of US\$ 419.2 million by 2030 with a CAGR of 3.4% during review period.

The research report highlights the growth potential of the global Passive Infrared Detector (PIR) market. Passive Infrared Detector (PIR) are expected to show stable growth in the future market. However, product differentiation, reducing costs, and supply chain optimization remain crucial for the widespread adoption of Passive Infrared Detector (PIR). Market players need to invest in research and development, forge strategic partnerships, and align their offerings with evolving consumer preferences to capitalize on the immense opportunities presented by the Passive Infrared Detector (PIR) market.

A passive infrared sensor (PIR sensor) is an electronic sensor that measures infrared (IR) light radiating from objects in its field of view. They are most often used in PIR-based motion detectors.

Senba Sensing is the largest manufacturer of passive infrared detector (PIR) in the world. Other players include Excelitas, Shanghai Nicera Sensor, Panasonic and Nippon Ceramic, etc.

Geographically speaking, Asia-Pacific is the largest market, has a market share of about 70%. In terms of type, dual element is most popular and has a market share of

over 45%. In terms of application, lighting control is the dominant product using passive infrared detector (PIR) and accounts for over 40% market share.

Key Features:

The report on Passive Infrared Detector (PIR) market reflects various aspects and provide valuable insights into the industry.

Market Size and Growth: The research report provide an overview of the current size and growth of the Passive Infrared Detector (PIR) market. It may include historical data, market segmentation by Type (e.g., Singal-beam, Multi-beam), and regional breakdowns.

Market Drivers and Challenges: The report can identify and analyse the factors driving the growth of the Passive Infrared Detector (PIR) market, such as government regulations, environmental concerns, technological advancements, and changing consumer preferences. It can also highlight the challenges faced by the industry, including infrastructure limitations, range anxiety, and high upfront costs.

Competitive Landscape: The research report provides analysis of the competitive landscape within the Passive Infrared Detector (PIR) market. It includes profiles of key players, their market share, strategies, and product offerings. The report can also highlight emerging players and their potential impact on the market.

Technological Developments: The research report can delve into the latest technological developments in the Passive Infrared Detector (PIR) industry. This include advancements in Passive Infrared Detector (PIR) technology, Passive Infrared Detector (PIR) new entrants, Passive Infrared Detector (PIR) new investment, and other innovations that are shaping the future of Passive Infrared Detector (PIR).

Downstream Procumbent Preference: The report can shed light on customer procumbent behaviour and adoption trends in the Passive Infrared Detector (PIR) market. It includes factors influencing customer ' purchasing decisions, preferences for Passive Infrared Detector (PIR) product.

Government Policies and Incentives: The research report analyse the impact of government policies and incentives on the Passive Infrared Detector (PIR) market. This may include an assessment of regulatory frameworks, subsidies, tax incentives, and other measures aimed at promoting Passive Infrared Detector (PIR) market. The report

also evaluates the effectiveness of these policies in driving market growth.

Environmental Impact and Sustainability: The research report assess the environmental impact and sustainability aspects of the Passive Infrared Detector (PIR) market.

Market Forecasts and Future Outlook: Based on the analysis conducted, the research report provide market forecasts and outlook for the Passive Infrared Detector (PIR) industry. This includes projections of market size, growth rates, regional trends, and predictions on technological advancements and policy developments.

Recommendations and Opportunities: The report conclude with recommendations for industry stakeholders, policymakers, and investors. It highlights potential opportunities for market players to capitalize on emerging trends, overcome challenges, and contribute to the growth and development of the Passive Infrared Detector (PIR) market.

Market Segmentation:

Passive Infrared Detector (PIR) 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.

Segmentation by type

Singal-beam

Multi-beam

Segmentation by application

Indoor Security System

Outdoor Security System

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 analyzing the company's coverage, product portfolio, its market penetration.

Tyco Security Products (DSC)

Optex

Aleph America

Microchip Technology

Honeywell International

Murata Manufacturing

Panasonic

Bosch

Cypress Semiconductor

Elmos Semiconductor

Key Questions Addressed in this Report

What is the 10-year outlook for the global Passive Infrared Detector (PIR) market?

What factors are driving Passive Infrared Detector (PIR) market growth, globally and by

region?

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

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

How does Passive Infrared Detector (PIR) break out type, application?

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