

Global PIR-based Motion Detector Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global PIR-based Motion Detector market size was valued at US\$ million in 2024 and is forecast to a readjusted size of USD million by 2031 with a CAGR of %during review period.

A PIR-based motion detector is used to sense movement of people, animals, or other objects. They are commonly used in burglar alarms and automatically activated lighting systems.

The PIR-based Motion Detector is a technology with widespread applications in the market, and its market size is continuously expanding. It finds specific uses in security systems, automatic lighting, smart homes, and industrial automation, among others. With the ongoing development of smart technology and the Internet of Things (IoT), the sales of PIR-based Motion Detectors are steadily increasing, becoming a crucial component for building intelligent environments and enhancing energy efficiency. In the future, as the IoT ecosystem continues to expand and technology keeps evolving, PIR-based Motion Detectors are expected to further develop, providing smarter and more efficient solutions for various application scenarios.

This report is a detailed and comprehensive analysis for global PIR-based Motion Detector market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global PIR-based Motion Detector market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global PIR-based Motion Detector market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global PIR-based Motion Detector market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global PIR-based Motion Detector market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for PIR-based Motion Detector

To forecast future growth in each product and end-use market

To forecast future factors affecting the marketplace

This report profiles key players in the global PIR-based Motion Detector market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Panasonic, Nippon Ceramic, Murata, InfraTec, Zhengzhou Winsen Electronics Technology, Zilog, Heimann Sensor, Excelitas, Shanghai Nicera Sensor, Senba Sensing Technology, etc.

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

Market Segmentation

PIR-based Motion Detector market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This

analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Single Element

Dual Element

Others

Market segment by Application

Lighting Control

Security Application

Home Appliance Control

Others

Major players covered

Panasonic

Nippon Ceramic

Murata

InfraTec

Zhengzhou Winsen Electronics Technology

Zilog

Heimann Sensor

Excelitas

Shanghai Nicera Sensor

Senba Sensing Technology

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 PIR-based Motion Detector product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of PIR-based Motion Detector, with price, sales quantity, revenue, and global market share of PIR-based Motion Detector from 2020 to 2025.

Chapter 3, the PIR-based Motion Detector competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the PIR-based Motion Detector breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

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 2020 to 2025. and PIR-based Motion Detector market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

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 PIR-based Motion Detector.

Chapter 14 and 15, to describe PIR-based Motion Detector sales channel, distributors, customers, research findings and conclusion.

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