

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

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Abstracts

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.

According to our (Global Info Research) latest study, the global Passive Infrared Detector (PIR) market size was valued at US\$ 378 million in 2023 and is forecast to a readjusted size of USD 730 million by 2030 with a CAGR of 10.0% during review period.

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.

This report is a detailed and comprehensive analysis for global Passive Infrared Detector (PIR) 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 2024, are provided.

Key Features:

Global Passive Infrared Detector (PIR) market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Passive Infrared Detector (PIR) market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Passive Infrared Detector (PIR) market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2019-2030

Global Passive Infrared Detector (PIR) market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2019-2024

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 Passive Infrared Detector (PIR)

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

To assess competitive factors affecting the marketplace

This report profiles key players in the global Passive Infrared Detector (PIR) 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 Excelitas, Shanghai Nicera Sensor, Senba Sensing, Panasonic, Nippon Ceramic, Murata, InfraTec, Winsensor, Zilog, Fuji Ceramics, etc.

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

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. 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

Excelitas

Shanghai Nicera Sensor

Senba Sensing

Panasonic

Nippon Ceramic

Murata

InfraTec

Winsensor

Zilog

Fuji Ceramics

HeimannSensors

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 Detector (PIR) product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Passive Infrared Detector (PIR) 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 by Application, with sales market share and growth rate by Type, by 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 2019 to 2024. and Passive Infrared Detector (PIR) market forecast, by regions, by Type, and by 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 Detector (PIR).

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

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