

Global Passive Infrared Detector (PIR) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application market size was valued at US\$ 319 million in 2024 and is forecast to a readjusted size of USD 559 million by 2031 with a CAGR of 8.4% during review period.

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. With the development of science and technology and the improvement of people's living standards, people have put forward new requirements for the lighting system of the home. It not only needs to control the lighting time and brightness of the lighting source, but also cooperate with the home subsystem to match different applications. It also takes into account the intelligent management and simple operation and flexibility to adapt to the requirements of future lighting layout and control method changes. Security products usually include a complete set of security systems, including alarm systems, video surveillance and video intercom. It is applied to human infrared sensor products. Passive Infrared Detector (PIR) occupies an irreplaceable part in it.

This report is a detailed and comprehensive analysis for global Passive Infrared Detector (PIR) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global Passive Infrared Detector (PIR) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application
- 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application 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) for Lighting Control and Security Application 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

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) for Lighting Control and Security Application product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Passive Infrared Detector (PIR) for Lighting Control and Security Application, with price, sales quantity, revenue, and global market share of Passive Infrared Detector (PIR) for Lighting Control and Security Application from 2020 to 2025.

Chapter 3, the Passive Infrared Detector (PIR) for Lighting Control and Security Application 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) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application 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 Passive Infrared Detector (PIR) for Lighting Control and Security Application.

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

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