

Global IR Sensor Array 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 IR Sensor Array market size was valued at US\$ 122 million in 2024 and is forecast to a readjusted size of USD 165 million by 2031 with a CAGR of 4.4% during review period.

In this report, we will assess the current U.S. tariff framework alongside international policy adaptations, analyzing their effects on competitive market structures, regional economic dynamics, and supply chain resilience.

An IR sensor array is a collection of infrared sensors arranged in a grid or array configuration, used to detect infrared radiation or heat emissions from objects within its field of view. These arrays are commonly employed in applications such as thermal imaging, motion detection, and environmental monitoring.

This report is a detailed and comprehensive analysis for global IR Sensor Array 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 IR Sensor Array market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2020-2031

Global IR Sensor Array 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 IR Sensor Array 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 IR Sensor Array 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 IR Sensor Array
- 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 IR Sensor Array 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, TTP plc, Melexis, Seiko, QuartzComponents, Zillion Techs, Pyreos, Hnhcart, DigiKey, BC Robotics, etc.

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

Market Segmentation

IR Sensor Array 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

Transmissive

Reflective

Market segment by Application

Security & Surveillance

Medical & Health Monitoring

Industrial Automation & Quality Control

Major players covered

Panasonic

TTP plc

Melexis

Seiko

QuartzComponents

Zillion Techs

Pyreos

Hnhcart

DigiKey

BC Robotics

Excelitas Technologies

Azbil Corporation

Matha Electronics

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 IR Sensor Array product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of IR Sensor Array, with price, sales quantity, revenue, and global market share of IR Sensor Array from 2020 to 2025.

Chapter 3, the IR Sensor Array competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the IR Sensor Array 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 IR Sensor Array 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 IR Sensor Array.

Chapter 14 and 15, to describe IR Sensor Array sales channel, distributors, customers,

research findings and conclusion.

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