

Global Photonic IR Sensor Market Growth 2025-2031

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Abstracts

The global Photonic IR Sensor market size is predicted to grow from US\$ million in 2025 to US\$ million in 2031; it is expected to grow at a CAGR of % from 2025 to 2031.

The impact of the latest U.S. tariff measures and the corresponding policy responses from countries worldwide on market competitiveness, regional economic performance, and supply chain configurations will be comprehensively evaluated in this report.

A photonic IR (infrared) sensor is a device that detects and measures infrared radiation emitted by objects. These sensors convert IR radiation into an electrical signal, enabling them to detect temperature changes, presence, and motion of objects even in low-light or dark environments. Photonic IR sensors have applications in security systems, motion detectors, temperature monitoring, and more.

United States market for Photonic IR Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

China market for Photonic IR Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Europe market for Photonic IR Sensor is estimated to increase from US\$ million in 2024 to US\$ million by 2031, at a CAGR of % from 2025 through 2031.

Global key Photonic IR Sensor players cover Sofradir, Excelitas Technologies Corp., Hamamatsu Photonic, Nippon Ceramic, Senba Sensing Technology, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2024.

LP Information, Inc. (LPI) ' newest research report, the "Photonic IR Sensor Industry Forecast" looks at past sales and reviews total world Photonic IR Sensor sales in 2024,

providing a comprehensive analysis by region and market sector of projected Photonic IR Sensor sales for 2025 through 2031. With Photonic IR Sensor sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world Photonic IR Sensor industry.

This Insight Report provides a comprehensive analysis of the global Photonic IR Sensor landscape and highlights key trends related to product segmentation, company formation, revenue, and market share, latest development, and M&A activity. This report also analyzes the strategies of leading global companies with a focus on Photonic IR Sensor portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global Photonic IR Sensor market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for Photonic IR Sensor and breaks down the forecast by Type, by Application, geography, and market size to highlight emerging pockets of opportunity. With a transparent methodology based on hundreds of bottom-up qualitative and quantitative market inputs, this study forecast offers a highly nuanced view of the current state and future trajectory in the global Photonic IR Sensor.

This report presents a comprehensive overview, market shares, and growth opportunities of Photonic IR Sensor market by product type, application, key manufacturers and key regions and countries.

Segmentation by Type:

Short Wave Infrared

Mid Wave Infrared

Long Wave Infrared

Segmentation by Application:

Military Field

Civil Field

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

Sofradir

Excelitas Technologies Corp.

Hamamatsu Photonic

Nippon Ceramic

Senba Sensing Technology

Yantai Raytron Technology Co., Ltd.

North GuangWei

Infra TEC GmbH

Panasonic

Omron

Murata

Heimann Sensor GmbH

Key Questions Addressed in this Report

What is the 10-year outlook for the global Photonic IR Sensor market?

What factors are driving Photonic IR Sensor market growth, globally and by region?

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

How do Photonic IR Sensor market opportunities vary by end market size?

How does Photonic IR Sensor break out by Type, by Application?

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