

Global IR Emitters and Receivers Market Growth 2026-2032

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Abstracts

The global IR Emitters and Receivers market size is predicted to grow from US\$ 6914 million in 2025 to US\$ 11343 million in 2032; it is expected to grow at a CAGR of 7.5% from 2026 to 2032.

IR emitters and receivers are optoelectronic components used to transmit and detect infrared radiation for communication, sensing, and control applications. IR emitters, typically infrared LEDs or laser diodes, generate infrared light, while IR receivers, such as photodiodes, phototransistors, or integrated receiver modules, detect and convert infrared signals into electrical signals. These components are widely used in remote controls, proximity sensors, motion detection systems, automotive driver monitoring, and industrial automation. From a value chain perspective, upstream includes semiconductor materials (such as GaAs, InGaAs), wafers, and packaging materials; midstream involves chip design, fabrication, packaging, and module integration; downstream demand comes from consumer electronics, automotive, industrial, healthcare, and security sectors. In 2025, the average selling price is approximately US\$0.38 per unit, with global shipments reaching around 18.6 billion units. The industry maintains gross margins of 22%-38%, supported by large-scale production, diversified applications, and continuous demand in sensing and communication markets.

United States market for IR Emitters and Receivers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

China market for IR Emitters and Receivers is estimated to increase from US\$ million in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Europe market for IR Emitters and Receivers is estimated to increase from US\$ million

in 2025 to US\$ million by 2032, at a CAGR of % from 2026 through 2032.

Global key IR Emitters and Receivers players cover Vishay Intertechnology, OSRAM (ams OSRAM), Everlight Electronics, Lite-On Technology, Rohm Semiconductor, etc. In terms of revenue, the global two largest companies occupied for a share nearly % in 2025.

LP Information, Inc. (LPI) ' newest research report, the "IR Emitters and Receivers Industry Forecast" looks at past sales and reviews total world IR Emitters and Receivers sales in 2025, providing a comprehensive analysis by region and market sector of projected IR Emitters and Receivers sales for 2026 through 2032. With IR Emitters and Receivers sales broken down by region, market sector and sub-sector, this report provides a detailed analysis in US\$ millions of the world IR Emitters and Receivers industry.

This Insight Report provides a comprehensive analysis of the global IR Emitters and Receivers 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 IR Emitters and Receivers portfolios and capabilities, market entry strategies, market positions, and geographic footprints, to better understand these firms' unique position in an accelerating global IR Emitters and Receivers market.

This Insight Report evaluates the key market trends, drivers, and affecting factors shaping the global outlook for IR Emitters and Receivers 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 IR Emitters and Receivers.

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

Segmentation by Type:

IR Emitters (IR LED / Laser)

IR Receivers

Integrated IR Modules

Segmentation by Wavelength:

Near Infrared (NIR)

Short-wave IR (SWIR)

Mid-wave IR (MWIR)

Segmentation by Output Power:

Low Power

Medium Power

High Power

Segmentation by Application:

Consumer Electronics

Automotive Electronics

Industrial Equipment

Medical Devices

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.

Vishay Intertechnology

OSRAM (ams OSRAM)

Everlight Electronics

Lite-On Technology

Rohm Semiconductor

Broadcom

onsemi

TT Electronics

Sharp

Stanley Electric

Sanan Optoelectronics

HC Semitek

NationStar Optoelectronics

Refond Optoelectronics

MLS (Mulinsen)

Key Questions Addressed in this Report

What is the 10-year outlook for the global IR Emitters and Receivers market?

What factors are driving IR Emitters and Receivers market growth, globally and by region?

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

How do IR Emitters and Receivers market opportunities vary by end market size?

How does IR Emitters and Receivers break out by Type, by Application?

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