

Global IR Emitters and Receivers Supply, Demand and Key Producers, 2026-2032

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Abstracts

The global IR Emitters and Receivers market size is expected to reach \$ 11641 million by 2032, rising at a market growth of 7.1% CAGR during the forecast period (2026-2032).

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.

This report studies the global IR Emitters and Receivers production, demand, key manufacturers, and key regions.

This report is a detailed and comprehensive analysis of the world market for IR Emitters and Receivers and provides market size (US\$ million) and Year-over-Year (YoY) Growth, considering 2025 as the base year. This report explores demand trends and competition, as well as details the characteristics of IR Emitters and Receivers that

contribute to its increasing demand across many markets.

Highlights and key features of the study

Global IR Emitters and Receivers total production and demand, 2021-2032, (K Units)

Global IR Emitters and Receivers total production value, 2021-2032, (USD Million)

Global IR Emitters and Receivers production by region & country, production, value, CAGR, 2021-2032, (USD Million) & (K Units), (based on production site)

Global IR Emitters and Receivers consumption by region & country, CAGR, 2021-2032 & (K Units)

U.S. VS China: IR Emitters and Receivers domestic production, consumption, key domestic manufacturers and share

Global IR Emitters and Receivers production by manufacturer, production, price, value and market share 2021-2026, (USD Million) & (K Units)

Global IR Emitters and Receivers production by Type, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

Global IR Emitters and Receivers production by Application, production, value, CAGR, 2021-2032, (USD Million) & (K Units)

This report profiles key players in the global IR Emitters and Receivers market based on the following parameters - company overview, production, value, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Vishay Intertechnology, OSRAM (ams OSRAM), Everlight Electronics, Lite-On Technology, Rohm Semiconductor, Broadcom, onsemi, TT Electronics, Sharp, Stanley Electric, etc.

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

Stakeholders would have ease in decision-making through various strategy matrices used in analyzing the World IR Emitters and Receivers market

Detailed Segmentation:

Each section contains quantitative market data including market by value (US\$ Millions), volume (production, consumption) & (K Units) and average price (US\$/Unit) by manufacturer, by Type, and by Application. Data is given for the years 2021-2032 by year with 2025 as the base year, 2026 as the estimate year, and 2027-2032 as the forecast year.

Global IR Emitters and Receivers Market, By Region:

United States

China

Europe

Japan

South Korea

ASEAN

India

Rest of World

Global IR Emitters and Receivers Market, Segmentation by Type:

IR Emitters (IR LED / Laser)

IR Receivers

Integrated IR Modules

Global IR Emitters and Receivers Market, Segmentation by Wavelength:

Near Infrared (NIR)

Short-wave IR (SWIR)

Mid-wave IR (MWIR)

Global IR Emitters and Receivers Market, Segmentation by Output Power:

Low Power

Medium Power

High Power

Global IR Emitters and Receivers Market, Segmentation by Application:

Consumer Electronics

Automotive Electronics

Industrial Equipment

Medical Devices

Companies Profiled:

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 Answered:

1. How big is the global IR Emitters and Receivers market?
2. What is the demand of the global IR Emitters and Receivers market?
3. What is the year over year growth of the global IR Emitters and Receivers market?
4. What is the production and production value of the global IR Emitters and Receivers market?
5. Who are the key producers in the global IR Emitters and Receivers market?
6. What are the growth factors driving the market demand?

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