

Global IR Emitters and Receivers Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

<https://marketpublishers.com/r/G3AD8B34207FEN.html>

Date: June 2026

Pages: 116

Price: US\$ 3,480.00 (Single User License)

ID: G3AD8B34207FEN

Abstracts

According to our (Global Info Research) latest study, the global IR Emitters and Receivers market size was valued at US\$ 7273 million in 2025 and is forecast to a readjusted size of US\$ 11641 million by 2032 with a CAGR of 7.1% during review period.

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 is a detailed and comprehensive analysis for global IR Emitters and Receivers 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 Emitters and Receivers market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global IR Emitters and Receivers market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global IR Emitters and Receivers market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (US\$/Unit), 2021-2032

Global IR Emitters and Receivers market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (US\$/Unit), 2021-2026

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 Emitters and Receivers

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 Emitters and Receivers 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 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.

Market Segmentation

IR Emitters and Receivers market is split by Type and by Application. For the period 2021-2032, 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

IR Emitters (IR LED / Laser)

IR Receivers

Integrated IR Modules

Market segment by Wavelength

Near Infrared (NIR)

Short-wave IR (SWIR)

Mid-wave IR (MWIR)

Market segment by Output Power

Low Power

Medium Power

High Power

Market segment by Application

Consumer Electronics

Automotive Electronics

Industrial Equipment

Medical Devices

Major players covered

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)

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 Emitters and Receivers product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of IR Emitters and Receivers, with price, sales quantity, revenue, and global market share of IR Emitters and Receivers from 2021 to 2026.

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

Chapter 4, the IR Emitters and Receivers breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and IR Emitters and Receivers market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Emitters and Receivers.

Chapter 14 and 15, to describe IR Emitters and Receivers sales channel, distributors, customers, research findings and conclusion.

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