

Global (North America, Europe, Asia-Pacific, South America, Middle East and Africa) Infrared Radiation (IR) Emitter and Receiver Market 2018, Forecast to 2023

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Abstracts

Infrared radiation (IR) is electromagnetic radiation (EMR) with longer wavelengths than those of visible light, and is therefore generally invisible to the human eye.

Scope of the Report:

This report focuses on the Infrared Radiation (IR) Emitter and Receiver in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

IR data transmission is also employed in short-range communication among computer peripherals and personal digital assistants. These devices usually conform to standards published by IrDA, the Infrared Data Association. Remote controls and IrDA devices use infrared light-emitting diodes (LEDs) to emit infrared radiation that is focused by a plastic lens into a narrow beam. The beam is modulated, i.e. switched on and off, to prevent interference from other sources of infrared (like sunlight or artificial lighting). The receiver uses a silicon photodiode to convert the infrared radiation to an electric current. It responds only to the rapidly pulsing signal created by the transmitter, and filters out slowly changing infrared radiation from ambient light.

The worldwide market for Infrared Radiation (IR) Emitter and Receiver is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

Excelitas Technologies

FLIR Systems

Honeywell International

Murata Manufacturing

Hamamatsu Photonics

Leonardo DRS

OSRAM Opto Semiconductors

Sofradir

Texas Instruments

Vishay Intertechnology

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Long Wave (LWIR)

Short Wave IR (SWIR)

Far Wave (FWIR)

Mid Wave IR (MWIR)

Market Segment by Applications, can be divided into

Consumer electronics

Remotes

IR cameras and sensors

There are 15 Chapters to deeply display the global Infrared Radiation (IR) Emitter and Receiver market.

Chapter 1, to describe Infrared Radiation (IR) Emitter and Receiver Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Infrared Radiation (IR) Emitter and Receiver, with sales, revenue, and price of Infrared Radiation (IR) Emitter and Receiver, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Infrared Radiation (IR) Emitter and Receiver, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share

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and growth rate by type, application, from 2013 to 2018;

Chapter 12, Infrared Radiation (IR) Emitter and Receiver market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Infrared Radiation (IR) Emitter and Receiver sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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