

IR LED Market - Global Outlook and Forecast 2022-2028

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Abstracts

Infrared rays are electromagnetic radiations in the nonvisible spectrum of white light, which range from 1300 to 1700 nm. Infrared light emitting diode (IR LED) is a solid-state lighting (SSL) device, which emits light in the infrared range. It spreads the light on a vast area rather than concentrating it or in other words IR LED's have a wide field of view. These LED's find their extensive use in security and surveillance cameras, along with automated driving vehicles.

The IR LED market is gaining popularity in remote-controlled advanced security cameras, which help to keep a surveillance check, especially on the consumer goods in retail sector. Each of these cameras consists of multiple rings of IR LEDs to provide night vision capabilities, thus there could be from 20 to 40 IR LEDs sold with each camera. However, as the market for sensors in smartphones and tablets is witnessing saturation, the IR LED market is also observing slight saturation, in terms of advanced technologies & designs, which is expected to restrain the market growth.

This report contains market size and forecasts of IR LED in global, including the following market information:

Global IR LED Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global IR LED Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five IR LED companies in 2021 (%)

The global IR LED market was valued at 460.6 million in 2021 and is projected to reach US\$ 796.3 million by 2028, at a CAGR of 8.1% during the forecast period.

The U.S. Market is Estimated at \$ Million in 2021, While China is Forecast to Reach \$ Million by 2028.

IR LED Chip Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of IR LED include NICHIA CORPORATION, Kingbright Electronic Co., Ltd, OSRAM Opto Semiconductors GmbH, Epistar Corporation, Everlight Electronics Co. Ltd., High Power Lighting Corporation, EPILEDs Co. Ltd., ON Semiconducts and Koninklijke Philips N.V. and etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the IR LED manufacturers, suppliers, distributors and industry experts on this industry, involving the sales, revenue, demand, price change, product type, recent development and plan, industry trends, drivers, challenges, obstacles, and potential risks.

Total Market by Segment:

Global IR LED Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global IR LED Market Segment Percentages, by Type, 2021 (%)

IR LED Chip

IR LED Package

Global IR LED Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global IR LED Market Segment Percentages, by Application, 2021 (%)

Optical Sensing

Automated Drive Systems

Security & Surveillance

Others

Global IR LED Market, By Region and Country, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global IR LED Market Segment Percentages, By Region and Country, 2021 (%)

North America

US

Canada

Mexico

Europe

Germany

France

U.K.

Italy

Russia

Nordic Countries

Benelux

Rest of Europe

Asia

China

Japan

South Korea

Southeast Asia

India

Rest of Asia

South America

Brazil

Argentina

Rest of South America

Middle East & Africa

Turkey

Israel

Saudi Arabia

UAE

Rest of Middle East & Africa

Competitor Analysis

The report also provides analysis of leading market participants including:

Key companies IR LED revenues in global market, 2017-2022 (Estimated), (\$ millions)

Key companies IR LED revenues share in global market, 2021 (%)

Key companies IR LED sales in global market, 2017-2022 (Estimated), (K Units)

Key companies IR LED sales share in global market, 2021 (%)

Further, the report presents profiles of competitors in the market, key players include:

NICHIA CORPORATION

Kingbright Electronic Co., Ltd

OSRAM Opto Semiconductors GmbH

Epistar Corporation

Everlight Electronics Co. Ltd.

High Power Lighting Corporation

EPILEDs Co. Ltd.

ON Semiconductors

Koninklijke Philips N.V.

Lextar Electronics Corporation

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