

Single-Mode VCSEL Market, Global Outlook and Forecast 2022-2028

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Abstracts

Single mode and high speed vertical-cavity surface-emitting lasers (VCSELs) are particularly promising for the development of functional integrated optics. VCSELs with a single transverse mode are of great importance because they enable efficient coupling with fiber and prevent excessive pulse broadening over long transmission distances caused by chromatic dispersion in the fiber.

This report contains market size and forecasts of Single-Mode VCSEL in global, including the following market information:

Global Single-Mode VCSEL Market Revenue, 2017-2022, 2023-2028, (\$ millions)

Global Single-Mode VCSEL Market Sales, 2017-2022, 2023-2028, (K Units)

Global top five Single-Mode VCSEL companies in 2021 (%)

The global Single-Mode VCSEL market was valued at million in 2021 and is projected to reach US\$ million by 2028, at a CAGR of % during the forecast period.

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

Gallium Arsenide (GaAs) Segment to Reach \$ Million by 2028, with a % CAGR in next six years.

The global key manufacturers of Single-Mode VCSEL include II-VI, Lumentum, ams, TRUMPF, Broadcom, Leonardo Electronics, MKS Instruments, Santec and VERTILAS,

etc. In 2021, the global top five players have a share approximately % in terms of revenue.

MARKET MONITOR GLOBAL, INC (MMG) has surveyed the Single-Mode VCSEL 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 Single-Mode VCSEL Market, by Type, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Single-Mode VCSEL Market Segment Percentages, by Type, 2021 (%)

Gallium Arsenide (GaAs)

Indium Phosphide (InP)

Others

Global Single-Mode VCSEL Market, by Application, 2017-2022, 2023-2028 (\$ Millions) & (K Units)

Global Single-Mode VCSEL Market Segment Percentages, by Application, 2021 (%)

Consumer Electronics

Data Center

Commercial & Industrial

Automotive

Healthcare

Military

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

Global Single-Mode VCSEL 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 Single-Mode VCSEL revenues in global market, 2017-2022
(Estimated), (\$ millions)

Key companies Single-Mode VCSEL revenues share in global market, 2021 (%)

Key companies Single-Mode VCSEL sales in global market, 2017-2022 (Estimated), (K
Units)

Key companies Single-Mode VCSEL sales share in global market, 2021 (%)

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

II-VI

Lumentum

ams

TRUMPF

Broadcom

Leonardo Electronics

MKS Instruments

Santec

VERTILAS

Vertilite

Alight Technologies

WIN Semiconductors

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