

Global Free Space Optics (FSO) and Visible Light Communication Market Size study, by Component (Light Emitting Diode, Photodetector, Microcontroller) By Transmission Type (Unidirectional Transmission, Bidirectional Transmission), By Application (Smart Store, Streetlight, Consumer Electronics, Defense and Security, Vehicle and Transportation, Others) and Regional Forecasts 2019-2026

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Abstracts

Global Free Space Optics (FSO) and Visible Light Communication Market is valued approximately USD 282.6 million in 2018 and is anticipated to grow with a healthy growth rate of more than 36% over the forecast period 2019-2026. Free space optics (FSO) is a communication technology that utilizes the traveling light in the free space such as outer space, air and vacuum for the optical communication purpose. This technology is very beneficial in conditions where the natural connection of optical fiber cable is unreasonable due to issues such as high costs. Whilst, the visible light communication (VLC) is a section of optical wireless communications technology, that uses the light that is detectable between the ranges of 400 to 800 THz in order to transmit the signals from 1-2 km. Increasing demand for alternate old technology with FSO startups coupled with rise in the number of space researches are key driving forces of the market growth. Furthermore, Emergence of new applications such as IoT and 5G is expected to create significant growth opportunity in the market over the forecast period. However, increase in fitting charges impedes the growth of the market over the forecast period of 2019-2026.

The regional analysis of global Free Space Optics (FSO) and Visible Light

Communication market is considered for the key regions such as Asia Pacific, North America, Europe, Latin America and Rest of the World. North America is the leading/significant region across the world in terms of market share owing to huge investment in telecom infrastructure, government funding and deployment of several VLC systems in commercial and public places. Whereas, Asia-Pacific is also anticipated to exhibit highest growth rate / CAGR over the forecast period 2019-2026. Factors such as growing CAD industry, recent development and increased expenditure on VLC related R&D activities in region would create lucrative growth prospects for the Free Space Optics (FSO) and Visible Light Communication market across Asia-Pacific region.

Major market player included in this report are:

- LightPointe Communications
- fSONA Networks
- Wireless Excellence
- Plaintree Systems
- Trimble Hungary
- Signify Holding (Formerly Philips Lighting)
- Oledcomm
- Lucibel
- pureLiFi
- Acuity Brands

The objective of the study is to define market sizes of different segments & countries in recent years and to forecast the values to the coming eight years. The report is designed to incorporate both qualitative and quantitative aspects of the industry within each of the regions and countries involved in the study. Furthermore, the report also caters the detailed information about the crucial aspects such as driving factors & challenges which will define the future growth of the market. Additionally, the report shall also incorporate available opportunities in micro markets for stakeholders to invest along with the detailed analysis of competitive landscape and product offerings of key players. The detailed segments and sub-segment of the market are explained below:

By Component:

- Light Emitting Diode
- Photodetector
- Microcontroller

By Transmission Type:

- Unidirectional Transmission
- Bidirectional Transmission

By Application:

Smart Store

Streetlight

Consumer Electronics

Defense and Security

Vehicle and Transportation

By Region:

North America

U.S.

Canada

Europe

UK

Germany

Asia Pacific

China

India

Japan

Latin America

Brazil

Mexico

Rest of the World

Furthermore, years considered for the study are as follows:

Historical year – 2016, 2017

Base year – 2018

Forecast period – 2019 to 2026

Target Audience of the Global Free Space Optics (FSO) and Visible Light Communication Market in Market Study:

Key Consulting Companies & Advisors

Large, medium-sized, and small enterprises

Venture capitalists

Value-Added Resellers (VARs)

Third-party knowledge providers

Investment bankers

Investors

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