

Free Space Optics Market (By Components – Receivers, Modulators, Transmitters, Demodulators, Encoders & Decoders and Others, By Application – Storage Area Network, Defense, Security, Airborne Applications, Data Transmission Healthcare, Disaster Recover, Last Mile Access and Others) – Global Industry Analysis, Size, Share, Growth, Trends and Forecast, 2016 – 2025

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Abstracts

Free space optics is the modern version of telecommunication system. Free space optics is a type of wireless technology and is adopted in several regions as this technology offers fast communication links. FSO (Free Space Optics) also can be called free space photonics (FSP) is the same as for fiber optic transmission. The major difference between both of them is that the beam of energy is collimated and forwarded through space or clean air in case of FSO. Free space optics addresses to the transference of infrared beams through the aerosphere to secure broadband communications. Factors such as increasing demand for high bandwidth and rising adoption of free space optics in military is largely driving the market growth for FSO. Further down, the mount in global optical infrastructure has led to a market growth for free space optics communication technology. Easy installation and quick deployment of free space optical technology allows service providers to deploy new services which in turn is fueling the market growth for FSO.

Thus, free space optical system being the future of communication technology it is expected to enhance the market growth during the projection period of 2017-2025.

Free space optics offer wide range of benefits in the telecommunication sector. These benefits may include better communication network for the consumers. Factors such as growth in demand for high bandwidth are expected to achieve positive growth for the free space optics market during the forecast period. Moreover, this technology uses laser to impart optical connections linking two points and is capable of sending data at a very high speed without the fiber optic cable. Along with this in the communication industry there is an adoption of free space optical system in areas like healthcare, defense and others are expected to enhance the market growth of FSO over the prediction period.

Major applications of free space optics technology covered in report are defense, security, storage area network data transmission, healthcare, airborne applications, disaster recover, last mile access and others. The FSO market in report is segmented by component which includes transmitters, modulators, receivers, encoders and decoders, demodulators and others. The global free space (FSO) optics market has been moreover segmented geographically into North America, Europe, Asia-Pacific, Latin America and Middle East and Africa.

Free space optics is one of a new kind of technology and is assumed to grow at a high rate with the increase in need of high speed data transmission across the globe. Free space optical technology will be one of the major trends to obtain grip in this market in the upcoming years. Technological advancement in communication system causes the rise in demand of this free space optics technology in various sectors such as healthcare, defence and security and others. Though the adoption of this technology in healthcare application is at a nascent stage, key players are developing new products to overcome this situation. In recent years, the rise in demand of high speed data transmission at low cost will certainly augment the market growth of free space optics.

Some of the major players in the free space optics market are Optelix, Harris Corporation, Trimble Hungary Ltd., Ibsen Telecom Ltd., Anova Technologies, Lightpointe Communications Inc., and Wireless Excellence Limited among others.

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