Free Space Optics (FSO) and Visible Light Communication (VLC) Market by Component, Application, and by Geography - Global forecast to 2020

Description: ‘Free Space Optics (FSO) and Visible Light Communication (VLC) Market by Component, Application (Smart Store, Consumer Electronics, Defense, Transportation, Aviation, Hospital, Underwater, and Hazardous Environment), and by Geography - Global forecast to 2020’

With the introduction of VLC as an optical indoor networking technology, FSO technology got its counterpart; it is now expected that both the technologies would revolutionize the future wireless communication market by making optical transmission possible for both indoor as well as outdoor usage. The market for FSO is in the growth phase, while the market for VLC is currently in the introductory phase; both the markets are expected to grow further in the coming years.

The FSO market is expected to grow from USD 116.7 Million in 2015 to USD 940.2 Million by 2020, at a CAGR of 51.8% during the forecast period. The VLC market is expected to grow from USD 327.8 Million in 2015 to USD 8,502.1 Million by 2020, at a CAGR of 91.8% between 2015 and 2020.

Major players of FSO & VLC ecosystem were identified across region and their offerings, distribution channel, regional presence is understood through in-depth discussions. Also, Average revenue generated by these companies segmented by region were used to arrive at the overall communication test and measurement market size.

This overall market size is used in the top-down procedure to estimate the sizes of other individual markets (FSO & VLC solutions) via percentage splits from secondary and primary research. The entire procedure includes the study of the annual and financial reports of the top market players and extensive interview of key insights from industry leaders, such as CEOs, VPs, directors and marketing executives.

FSO Market Scope:

By FSO Market Application:
- Mobile Backhaul
- Enterprise Connectivity
- Disaster Recovery
- Defense
- Satellite
- Healthcare
- Security
- Engineering and Design
- Others

By FSO Market Component:
- LEDs
- Photodiodes
- Microcontrollers
- Software

VLC Market Scope:

By Application:
- Smart Stores
- Consumer Electronics
- Defense and Security
- Vehicle and Transportation
- Aviation
- Hospital
- Underwater Communication
- Hazardous Environment
- Others

By Region:
- Americas
- Europe
- Asia-Pacific
- RoW

This report provides valuable insights regarding various stakeholders of this market such as product manufacturers and suppliers, OEMs, system integrators, middleware and firmware providers, suppliers and distributors, optical wireless communication technology providers, mobile network providers, smart lighting manufacturers, smart home/city service providers, electronic device manufacturers, automobile manufacturers, tracking and monitoring device manufacturers, and standardization and testing firms. This study answers several questions for the stakeholders, primarily which market segments to focus on in next two to five years for prioritizing the efforts and investments.

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