

# **Global Visible Light Communication Market 2018 by Manufacturers, Regions, Type and Application, Forecast to 2023**

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## **Abstracts**

Visible Light Communication (VLC) is an emerging technology that uses visible light (which lies between 400 and 800 THz of electromagnetic spectrum) as a communication medium. VLC technology uses Light Emitting Diodes (LEDs) from a variety of sources such as indoor and outdoor lighting, monitors, illuminated signs, toys, televisions and other consumer electronics devices for communication purpose. Communication/data transfer is achieved through switching on and off of LEDs in wide range of applications.

### **SCOPE OF THE REPORT:**

This report focuses on the Visible Light Communication in global market, especially in North America, Europe and Asia-Pacific, South America, Middle East and Africa. This report categorizes the market based on manufacturers, regions, type and application.

According to the report, one driver in market is availability of greater bandwidth. With an enhanced lighting technology, VLC will offer a much greater bandwidth. The illumination LEDs that are currently in use are designed to be of low bandwidth, as they are supposed to deliver a constant illumination at high power. Nevertheless, the sector is moving toward RGB, where each individual channel has a higher bandwidth. One can also add several different colors to multiplex that is over different channels. For instance, laser LEDs are incorporated in BMW i8 headlights to have a very long range communication, and these have even higher bandwidths. The bandwidth frequency spectrum offered by visible light is larger than that offered by RF bandwidth. VLC bandwidth ranges from 400 THz to 800 THz, and RF frequency offers a bandwidth range from 3 kHz to 300 GHz.

The worldwide market for Visible Light Communication is expected to grow at a CAGR of roughly xx% over the next five years, will reach xx million US\$ in 2023, from xx million US\$ in 2017, according to a new GIR (Global Info Research) study.

Market Segment by Manufacturers, this report covers

FSONA Networks

GE

LightPointe Communications

LVX System

Nakagawa Laboratories

Oledcomm

Outstanding Technology

Koninklijke Philips

PureLiFi

Avago Technologies

Axrtek

ByteLight

Casio

IBSENtelecom

Lightbee

Luciom

Panasonic

Plaintree Systems

Renesas Electronics

Supreme Architecture

Market Segment by Regions, regional analysis covers

North America (United States, Canada and Mexico)

Europe (Germany, France, UK, Russia and Italy)

Asia-Pacific (China, Japan, Korea, India and Southeast Asia)

South America (Brazil, Argentina, Colombia etc.)

Middle East and Africa (Saudi Arabia, UAE, Egypt, Nigeria and South Africa)

Market Segment by Type, covers

Up to 1Mb/s

Above 1Mb/s

Market Segment by Applications, can be divided into

Retail Indoor Positioning

Underwater Communication

Hospitality

Automotive And Transport

Connected Devices

In-Flight Communication/Infotainment

Light Based Internet

Others

There are 15 Chapters to deeply display the global Visible Light Communication market.

Chapter 1, to describe Visible Light Communication Introduction, product scope, market overview, market opportunities, market risk, market driving force;

Chapter 2, to analyze the top manufacturers of Visible Light Communication, with sales, revenue, and price of Visible Light Communication, in 2016 and 2017;

Chapter 3, to display the competitive situation among the top manufacturers, with sales, revenue and market share in 2016 and 2017;

Chapter 4, to show the global market by regions, with sales, revenue and market share of Visible Light Communication, for each region, from 2013 to 2018;

Chapter 5, 6, 7, 8 and 9, to analyze the market by countries, by type, by application and by manufacturers, with sales, revenue and market share by key countries in these regions;

Chapter 10 and 11, to show the market by type and application, with sales market share and growth rate by type, application, from 2013 to 2018;

Chapter 12, Visible Light Communication market forecast, by regions, type and application, with sales and revenue, from 2018 to 2023;

Chapter 13, 14 and 15, to describe Visible Light Communication sales channel, distributors, traders, dealers, Research Findings and Conclusion, appendix and data source

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