Camera Modules Market by Component (Image Sensor, Lens Module), Process (Flip-Chip), Pixel, Application (Consumer Electronics, Security & Surveillance, Automotive, Aerospace & Defense, Industrial), and Geography - Global Forecast to 2020

Description:

In the modern dynamic world of technology, the applications of camera modules have expanded beyond their traditional use as a component of digital still cameras to an extensive range of markets in automotive devices, security, healthcare, and other areas, owing to the cost and performance benefits of the camera modules.

The camera modules market is gaining ground in several applications from consumer electronics to industrial robotics and gaming, automotive, healthcare, security & surveillance, and aerospace & defense. With the advancement of the digital image technology, increased opportunities are growing in the camera modules market.

This advancement is reflected in some core technologies in the camera modules market such as 3D depth sensing, infrared thermal technology, 4K pixel and ultra HD display technology, and panoramic technology. The global camera modules market was valued at USD 19.21 Billion in 2014 and is expected to grow at a CAGR of 10.8% between 2015 and 2020. Currently, the consumer electronics application holds a large share of the camera modules market.

The growth of camera modules market is fostered by the growth in the demand for consumer electronics market globally. Also, the growing market for advanced driver assistance systems (ADAS) in the automotive sector is boosting the demand for image sensors, and in turn, camera modules. In addition, the camera modules used in the security and surveillance systems are penetrating the household security market, intelligent buildings, and outdoor security market along with the government facilities and commercial buildings.

In this report, the global camera modules market is segmented on the basis of different components such as image sensor, lens modules, and others. This market is also segmented on the basis of process into COB (chip-on-board), and flip-chip camera modules. The camera modules market with respect to different applications such as consumer electronics, healthcare, industrial, security & surveillance, automotive, and aerospace & defense, also has been analyzed and forecast in the report for the period between 2014 and 2020.

This report on the global camera modules market analyzes the camera modules value chain to provide a clear insight into the various segments and stakeholders in the industry. The market has been segmented on the basis of component, process, pixel, application, and region. This report also evaluates market and technology-related trends, along with market dynamics such as drivers, restraints, opportunities, and challenges.

The global camera modules market report profiles some of the key technological developments in the recent times. It also profiles some of the leading players in these markets and analyzes their key strategies. The competitive landscape section of the report provides a clear insight into the market share analysis of the key market players.

The major players in the global camera modules market include LG Electronics Inc. (South Korea), Samsung Electro-Mechanics Co., Ltd. (South Korea), Sharp Corporation (Japan), Lite-On Technology Corporation (Taiwan), and Cowell e Holdings Inc. (China) among others.

Scope of the Report

Market, by Component:
- The global camera modules market is segmented on the basis of components into image sensors, lens modules, and other components.
Market, by Process:
- The camera modules market is segmented on the basis of process into two major categories, namely, COB (chip-on-board), and flip-chip camera modules.

Market, by Pixel:
- The global camera modules market is segmented on the basis of pixels into camera modules with different ranges of pixel count. The pixel matrix is one of the key metrics in the camera module performance which measures the image resolution in the camera modules.

Market, by Application:
- The global camera modules market is segmented on the basis of application into consumer electronics, automotive, healthcare, industrial, security and surveillance, and aerospace & defense.

Market, by Geography:
- The global camera modules market is segmented on the basis of geography into four regions, namely, North America, Europe, Asia-Pacific, and Rest of the World. The geographical analysis in the report further divides North America into the U.S., Canada, and Mexico; Europe into the U.K., Germany, France, Italy, and Rest of Europe; APAC into China, Japan, South Korea, and Rest of APAC; and the RoW region into the Middle East & Africa and South America.

Key Take Aways:
In this report, the global camera modules market has been segmented into the following categories and the industry trends have also been detailed according to the following aspects:

- Total Markets: Global camera modules market - component market, submarkets, related markets, complementary markets (with subsegmentation), total addressable market (TAM), and market penetration of global camera modules
- Submarkets: Segmentation of the global camera modules market based on component, process, pixel count, and application.
- Market, by Component: Image sensors, lens modules, and other components
- Market, by Process: COB (chip-on-board), and flip-chip camera modules
- Market, by Pixel: Upto 2 megapixels, 2 to 5 megapixels, 5 to 8 megapixels, 8 to 12 megapixels, 12 to 16 megapixels, and above 16 megapixels
- Market, by Application: Consumer electronics, automotive, healthcare, industrial, security and surveillance, and aerospace & defense.
- Market, by Geography: North America (subsegmented into the U.S., Canada, and Mexico), Europe (subsegmented into the U.K., Germany, France, Italy, and Rest of Europe), APAC (subsegmented into China, Japan, South Korea, and Rest of APAC), and RoW (subsegmented into the Middle East & Africa and South America)
- Competitive Landscape: Market ranking analysis for manufacturers and developers of camera modules, globally
- Patent Landscape Analysis: Patent activity, publication activity, and mapping & analysis
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