

Camera Module Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global camera module market size reached US\$ 39.7 Billion in 2022. Looking forward, IMARC Group expects the market to reach US\$ 64.1 Billion by 2028, exhibiting a growth rate (CAGR) of 8% during 2023-2028.

A camera module is designed to capture photographic or video type images. It forms an integral component of sensor simulation, which validates camera-based assistance and automated driving functions. A camera module involves lens, infrared filter (IR filter), aperture, digital signal processing (DSP), and a soft board, which allows for camera simulation based on the light propagation and measurement of the imager chip. In addition to this, it can be used to extend the functionality of the camera for data processing algorithms and include custom models. As a result, a camera module is being widely used in video conferencing, security systems, and real-time monitoring as a video input device.

Camera Module Market Trends:

The increasing demand for consumer electronics represents the key factor driving the global camera module market growth. This can be attributed to its extensive utilization in smartphones, tablets, interior navigation, satellite space imaging, and picture storage. Moreover, the rising awareness regarding the associated benefits of camera module over conventional charged-coupled device (CCD) sensors, such as lower power consumption, faster frame rate, and cost-effectiveness, is catalyzing the market growth. Rapid urbanization and industrialization, particularly in emerging economies, is further facilitating the need for advanced security and surveillance systems. This, in turn, is intensifying the product adoption across smart homes, government buildings, and commercial complexes, thus creating a positive outlook for the market. Other than this,

the emergence of unmanned aerial vehicles (UAV) has escalated the demand for high-definition (HD) cameras in the military sector. Besides this, the development of advanced internet technology, improvement of network speed, and the continuous maturity of photographic imaging device technology are projected to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each sub-segment of the global camera module market report, along with forecasts at the global, regional and country level from 2023-2028. Our report has categorized the market based on component, focus type, interface, pixels, process and application.

Breakup by Component:

- Image Sensors
- CMOS Image Sensors
- CCD Image Sensors
- Lens Modules
- Voice Coil Motors
- Others

Breakup by Focus Type:

- Fixed Focus
- Autofocus

Breakup by Interface:

- Camera Serial Interface
- Camera Parallel Interface

Breakup by Pixels:

- Up to 7 MP
- 8 to 13 MP
- Above 13 MP

Breakup by Process:

Flip-Chip Camera Module
Chip-On-Board Camera Module

Breakup by Application:

Consumer Electronics
Automotive
Healthcare
Industrial
Security and Surveillance
Aerospace and Defense

Breakup by Region:

North America
United States
Canada
Asia-Pacific
China
Japan
India
South Korea
Australia
Indonesia
Others
Europe
Germany
France
United Kingdom
Italy
Spain
Russia
Others
Latin America
Brazil
Mexico
Others
Middle East and Africa

Competitive Landscape:

The competitive landscape of the industry has also been examined along with the profiles of the key players being ams AG, Chicony Electronics Co. Ltd., Cowell E Holdings Inc., LG Innotek Co. Ltd., LITE-ON Technology Corporation, OFILM Group Co. Ltd., Partron Co. Ltd., Primax Electronics Ltd., Samsung Electro-Mechanics Co. Ltd. (Samsung Group), Sharp Corporation, STMicroelectronics and Toshiba Corporation.

Key Questions Answered in This Report

1. What was the size of the global camera module market in 2022?
2. What is the expected growth rate of the global camera module market during 2023-2028?
3. What are the key factors driving the global camera module market?
4. What has been the impact of COVID-19 on the global camera module market?
5. What is the breakup of the global camera module market based on the component?
6. What is the breakup of the global camera module market based on the focus type?
7. What is the breakup of the global camera module market based on the interface?
8. What is the breakup of the global camera module market based on the application?
9. What are the key regions in the global camera module market?
10. Who are the key players/companies in the global camera module market?

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