

Global CMOS Smartphone Camera Module Market 2025 by Manufacturers, Regions, Type and Application, Forecast to 2031

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Abstracts

According to our (Global Info Research) latest study, the global CMOS Smartphone Camera Module market size was valued at US\$ 41260 million in 2024 and is forecast to a readjusted size of USD 55950 million by 2031 with a CAGR of 4.4% during review period.

A CMOS smartphone camera module is a camera component designed for mobile devices, utilizing Complementary Metal-Oxide-Semiconductor (CMOS) image sensor technology. This module typically consists of a CMOS sensor, lens assembly, Image Signal Processor (ISP), Autofocus (AF), and Optical Image Stabilization (OIS) functionalities. Compared to traditional CCD sensors, CMOS sensors offer advantages such as low power consumption, high integration, and fast image processing, enabling smartphone cameras to achieve high resolution, High Dynamic Range (HDR), night mode optimization, and multi-camera system functionalities. CMOS smartphone camera modules are widely used in mobile photography, Augmented Reality (AR), facial recognition, computational photography, and image enhancement, driving continuous advancements in smartphone imaging technology.

This report is a detailed and comprehensive analysis for global CMOS Smartphone Camera Module market. Both quantitative and qualitative analyses are presented by manufacturers, by region & country, by Type and by Application. As the market is constantly changing, this report explores the competition, supply and demand trends, as well as key factors that contribute to its changing demands across many markets. Company profiles and product examples of selected competitors, along with market share estimates of some of the selected leaders for the year 2025, are provided.

Key Features:

Global CMOS Smartphone Camera Module market size and forecasts, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2020-2031

Global CMOS Smartphone Camera Module market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2020-2031

Global CMOS Smartphone Camera Module market size and forecasts, by Type and by Application, in consumption value (\$ Million), sales quantity (K Units), and average selling prices (K US\$/Unit), 2020-2031

Global CMOS Smartphone Camera Module market shares of main players, shipments in revenue (\$ Million), sales quantity (K Units), and ASP (K US\$/Unit), 2020-2025

The Primary Objectives in This Report Are:

To determine the size of the total market opportunity of global and key countries

To assess the growth potential for CMOS Smartphone Camera Module

To forecast future growth in each product and end-use market

To assess competitive factors affecting the marketplace

This report profiles key players in the global CMOS Smartphone Camera Module market based on the following parameters - company overview, sales quantity, revenue, price, gross margin, product portfolio, geographical presence, and key developments. Key companies covered as a part of this study include Largan, Sunny Optical, GeniuS Electronic Optical (GSEO), Kantatsu, Sekonix, Cha Diostech, Newmax, Kolen, Ability Opto-Electronics, Kinko, etc.

This report also provides key insights about market drivers, restraints, opportunities, new product launches or approvals.

Market Segmentation

CMOS Smartphone Camera Module market is split by Type and by Application. For the period 2020-2031, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value. This analysis can help you expand your business by targeting qualified niche markets.

Market segment by Type

Below 5 MEGA Pixels

5~8 MEGA Pixels

8~12 MEGA Pixels (Include 8 Mega)

12~24 MEGA Pixels (Include 12 and 24 Mega)

32 MEGA Pixels

48 MEGA Pixels

64 MEGA Pixels

108 MEGA Pixels

Market segment by Application

Front-end Camera Module

Rear-end Camera Module

Major players covered

Largan

Sunny Optical

Genius Electronic Optical (GSEO)

Kantatsu

Sekonix

Cha Diostech

Newmax

Kolen

Ability Opto-Electronics

Kinko

Market segment by region, regional analysis covers

North America (United States, Canada, and Mexico)

Europe (Germany, France, United Kingdom, Russia, Italy, and Rest of Europe)

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

South America (Brazil, Argentina, Colombia, and Rest of South America)

Middle East & Africa (Saudi Arabia, UAE, Egypt, South Africa, and Rest of Middle East & Africa)

The content of the study subjects, includes a total of 15 chapters:

Chapter 1, to describe CMOS Smartphone Camera Module product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CMOS Smartphone Camera Module, with price, sales quantity, revenue, and global market share of CMOS Smartphone Camera Module from 2020 to 2025.

Chapter 3, the CMOS Smartphone Camera Module competitive situation, sales

quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CMOS Smartphone Camera Module breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2020 to 2031.

Chapter 5 and 6, to segment the sales by Type and by Application, with sales market share and growth rate by Type, by Application, from 2020 to 2031.

Chapter 7, 8, 9, 10 and 11, to break the sales data at the country level, with sales quantity, consumption value, and market share for key countries in the world, from 2020 to 2025. and CMOS Smartphone Camera Module market forecast, by regions, by Type, and by Application, with sales and revenue, from 2026 to 2031.

Chapter 12, market dynamics, drivers, restraints, trends, and Porters Five Forces analysis.

Chapter 13, the key raw materials and key suppliers, and industry chain of CMOS Smartphone Camera Module.

Chapter 14 and 15, to describe CMOS Smartphone Camera Module sales channel, distributors, customers, research findings and conclusion.

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