

# Global Mobile Phone Camera Sensor Market 2026 by Manufacturers, Regions, Type and Application, Forecast to 2032

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## Abstracts

According to our (Global Info Research) latest study, the global Mobile Phone Camera Sensor market size was valued at US\$ 10136 million in 2025 and is forecast to a readjusted size of US\$ 15179 million by 2032 with a CAGR of 4.1% during review period.

A mobile phone camera sensor (Mobile Phone Camera Sensor, typically referring to a CMOS Image Sensor, CIS) is the core device that converts optical signals formed by the lens into electrical charges/voltages at the pixel array, and then outputs digital image data through readout circuits and analog-to-digital conversion. It addresses the key challenge of delivering clear, low-noise images and videos with higher dynamic range, faster autofocus, and more accurate color under the severe constraints of smartphones—extremely limited space, restricted power consumption, constrained thermal dissipation, cost sensitivity, and highly complex usage scenarios (such as backlighting, night scenes, motion, and indoor environments)—while also enabling capabilities such as QR scanning, face recognition, augmented reality (AR), and computational photography. In terms of product evolution, early mobile cameras were limited by low resolution, high noise, and slow readout speeds; subsequently, CMOS sensors replaced CCDs as the mainstream solution due to lower power consumption and higher integration. The industry first drove adoption through higher pixel counts and process scaling, then addressed low-light performance bottlenecks caused by shrinking pixel sizes by introducing back-side illumination (BSI) to improve light efficiency, and further developed stacked architectures that separate the pixel layer from the logic layer to increase readout speed, reduce rolling-shutter effects, and integrate more functions. At the same time, mobile phones evolved from single-camera to multi-camera systems, with sensors co-optimized with lenses, optical stabilization, ISPs, and algorithms,

ultimately forming an integrated “hardware + computational photography” imaging experience. Upstream raw materials and process foundations include high-purity silicon wafers, photoresists and developer/cleaning chemicals, specialty gases, sputtering/deposition and etching materials, metal interconnect materials, and packaging substrates with solder balls or bumps; key components and supporting modules include lenses (glass/plastic elements and coating materials), color filter arrays and microlens materials, infrared cut-off filters (IRCF), packaging and testing services, camera module mechanical parts and connectors, as well as imaging-related components such as autofocus actuators (VCM/linear motors), optical image stabilization (OIS) mechanisms, LED flash and drivers, power management ICs, and clocks/crystals. Overall, the supply chain can be broadly categorized into material suppliers, wafer manufacturing/foundry and specialty process providers, OSATs, optical and filter manufacturers, precision mechanical and module assemblers, and semiconductor equipment and metrology suppliers.

In 2025, global mobile phone camera sensor production capacity is estimated at 3.5 billion units, with sales of approximately 3.15 billion units; the average selling price is about USD 3.12 per unit, and corporate gross margins generally range between 30% and 40%.

This report is a detailed and comprehensive analysis for global Mobile Phone Camera Sensor 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 Mobile Phone Camera Sensor market size and forecasts, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Mobile Phone Camera Sensor market size and forecasts by region and country, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Mobile Phone Camera Sensor market size and forecasts, by Type and by

Application, in consumption value (\$ Million), sales quantity (Million Units), and average selling prices (US\$/Unit), 2021-2032

Global Mobile Phone Camera Sensor market shares of main players, shipments in revenue (\$ Million), sales quantity (Million Units), and ASP (US\$/Unit), 2021-2026

### **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 Mobile Phone Camera Sensor
- 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 Mobile Phone Camera Sensor 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 Sony, Samsung, OmniVision, GalaxyCore, SmartSens, Himax, etc.

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

### **Market Segmentation**

Mobile Phone Camera Sensor market is split by Type and by Application. For the period 2021-2032, 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**

1'

1/1.3'

1/1.31'

1/1.4'

1/1.56'

1/2.0'

1/2.55'

Others

### Market segment by Resolution

?13MP

16–32MP

48–50MP

64–108MP

200MP

### Market segment by Pixel Pitch

Small Pixel

Mainstream Pixel

Large Pixel

Ultra-large Pixel

Others

### Market segment by Application

IOS System Mobile Phone

Android Mobile Phone

HarmonyOS Mobile Phone

Others

#### Major players covered

Sony

Samsung

OmniVision

GalaxyCore

SmartSens

Himax

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 Mobile Phone Camera Sensor product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of Mobile Phone Camera Sensor, with price, sales quantity, revenue, and global market share of Mobile Phone Camera Sensor from 2021 to 2026.

Chapter 3, the Mobile Phone Camera Sensor competitive situation, sales quantity, revenue, and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the Mobile Phone Camera Sensor breakdown data are shown at the regional level, to show the sales quantity, consumption value, and growth by regions, from 2021 to 2032.

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 2021 to 2032.

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 2021 to 2026. and Mobile Phone Camera Sensor market forecast, by regions, by Type, and by Application, with sales and revenue, from 2027 to 2032.

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 Mobile Phone Camera Sensor.

Chapter 14 and 15, to describe Mobile Phone Camera Sensor sales channel, distributors, customers, research findings and conclusion.

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