Like human eye, the role of an image sensor is to provide the sensation of vision. After years of development, the CMOS image sensor market has experienced rapid expansion driven by smartphone shipment. The growth rate of CIS will far exceed that of smartphone in the future due to the popularity of IoT and new lifestyle.

Carol Yang
Senior Research Analyst
China CMOS Image Sensor & Camera Module Market Tracker

Part of Semiconductor Components Service Area Package

Comprehensive examination of China CMOS image sensor market base on application.

HOW OMDIA HELPS YOU

- Provide the roadmap and technology transition of CMOS image sensors
- Competitive rankings of suppliers by application
- Provide five years of market forecasts and offer analysis covering key application markets
- Detailed picture of the supply landscape

KEY QUESTIONS ADDRESSED

- What is the market size of the CIS in different process node? What is the split between rolling shutter and global shutter CIS? What is the percentage of CIS shipment in FSI, BSI and BSI stacked technology?
- Who are the market leaders in various applications? What are their advantages and weaknesses?
- What will be the market size of CMOS image sensors for different application in the next five years? Who are the market leaders in various applications?
- Who are the CIS manufactures, what are their fab capacities?

Global and China CMOS image sensor revenue forecast

Source: Omdia © 2021 Omdia
China Semiconductor Components: Our Expert Analysts

Hui He  
Senior Research Manager  
China semiconductor market

Lingling Peng  
Senior Research Analyst  
Battery, PCB and camera module

Carol Yang  
Senior Research Analyst  
CMOS image sensor
China CMOS Image Sensor & Camera Module Market Tracker

Comprehensive examination of China CMOS image sensor market base on application

**DETAILS**

**Frequency:**
- Semi annually updated

**Deliverable:**
- Database (XLS)
- Report with analysis (PDF)

**Measures:**
- Semiconductor revenue by device type
- Semiconductor revenue by application type
- Semiconductor units by device type
- Semiconductor units by application type
- Vehicle production units

**Regions**
- Global/China

**COVERAGE**

**Timeline:**
- 5-year annual forecast (2021 – 2025)
- Base historic years (2016 – 2020)

**Device Types:**
- CIS
- Camera module

**Applications:**
- Smartphone
- Automotive
- Security surveillance

**APPPLICABLE TO**

**Industry Segments:**
- Smartphone OEMs and supply chain
- CMOS image sensor suppliers and manufacturers
- Camera module suppliers
- Business consulting and financial firms

**Persona/Function:**
- Procurement
- Product development
- Business development
- Strategic planning
- Product marketing
- Business marketing
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China CMOS Image Sensor & Camera Module Market Tracker

Comprehensive automotive semiconductor tracker that covers the latest market conditions and forecasts for component devices and vehicle applications

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China CMOS Image Sensor & Camera Module Market Tracker

CMOS image sensors process node roadmap, 2016–25

Top CMOS image sensor suppliers in Global Smartphone Camera

Source: Omdia

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<table>
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Tom Coate  
Customer Success Manager

Kären Dyer  
Customer Success Manager
ABOUT OMDIA

OMdia is a global technology research powerhouse, established following the merger of the research division of Informa Tech (Ovum, Heavy Reading, and Tractica) and the acquired Omdia technology research portfolio*. We combine the expertise of more than 400 analysts across the entire technology spectrum, covering 150 markets. We publish over 3,000 research reports annually, reaching more than 14,000 subscribers, and cover thousands of technology, media, and telecommunications companies.

Our exhaustive intelligence and deep technology expertise enable us to uncover actionable insights that help our customers connect the dots in today’s constantly evolving technology environment and empower them to improve their businesses—today and tomorrow.

* The majority of Omdia technology research products and solutions were acquired by Informa in August 2019 and are now part of Omdia.