

AUTOMOTIVE CMOS IMAGE SENSORS (CIS)

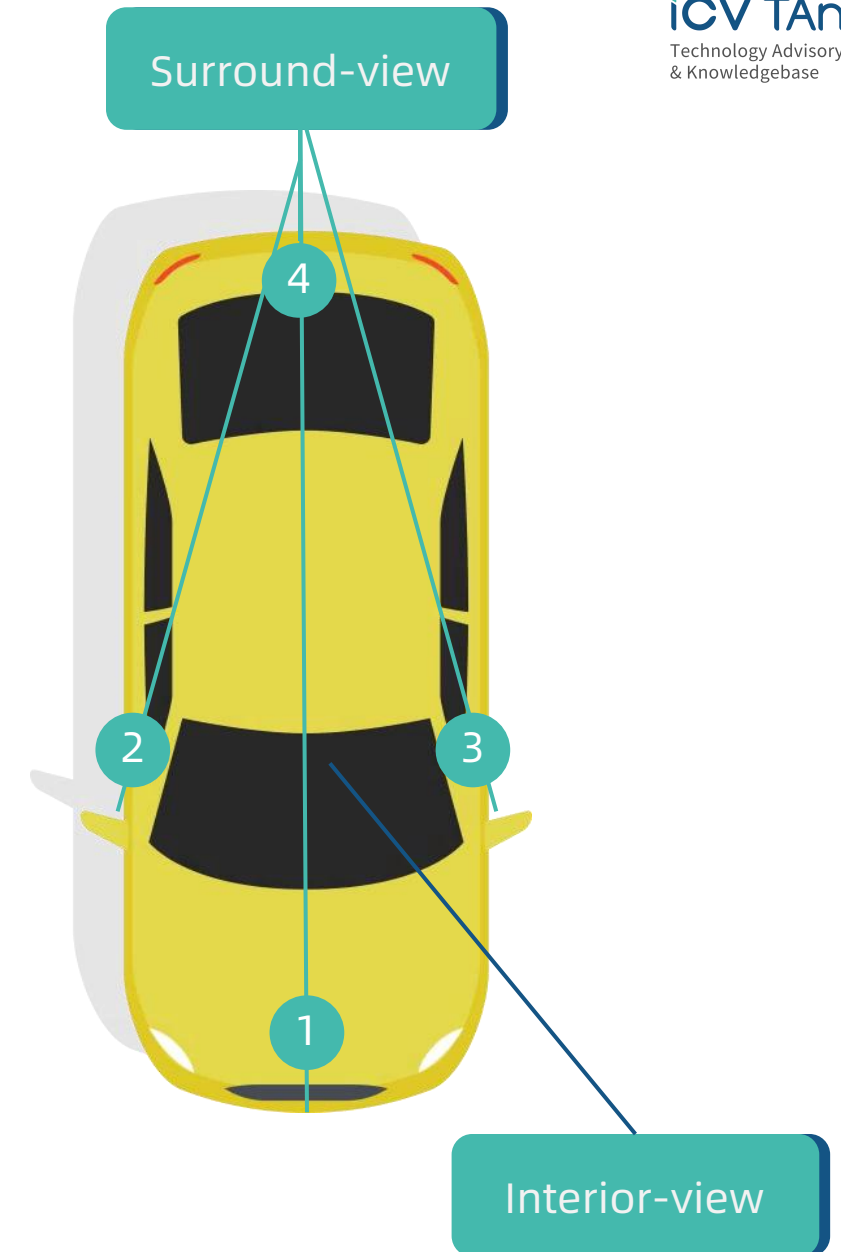
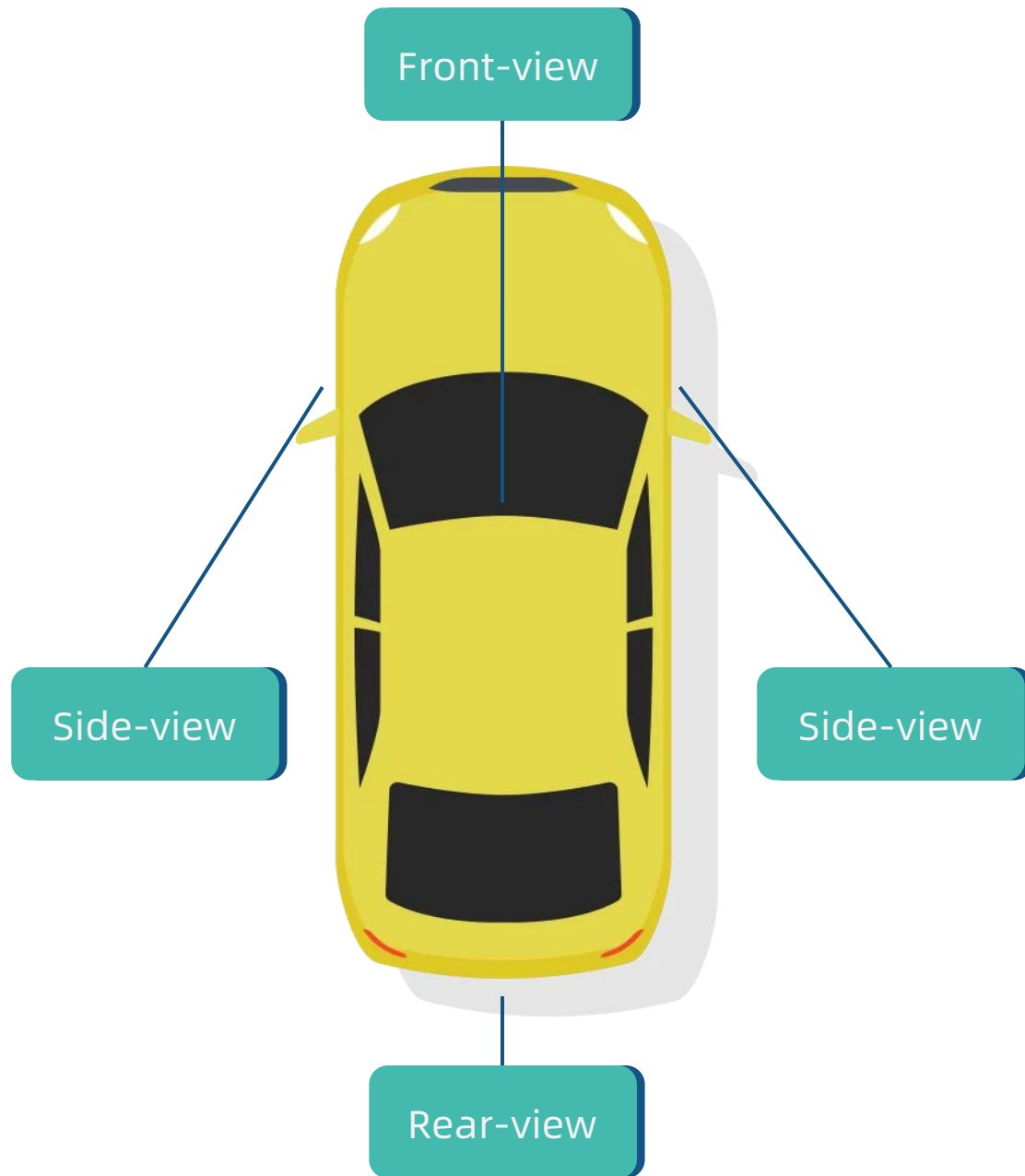
Market Research Report
2022

Introduction

This report aims to evaluate the market of Automotive CMOS image sensor.

Automotive CMOS image sensor (CIS) is an integral component of advanced driver assistance systems. CIS has high sensitivity, low noise, and low power consumption. These sensors can capture clear images in low-light conditions and produce high-resolution images for advanced driver assistance systems (ADAS). Moreover, CIS is designed to withstand harsh environmental conditions, making them ideal for automotive applications.

In conclusion, automotive CIS plays a crucial role in modern vehicles, providing drivers with clear images and enhancing their situational awareness. With the growth of ADAS systems, the importance of automotive CIS in vehicle safety is set to increase.



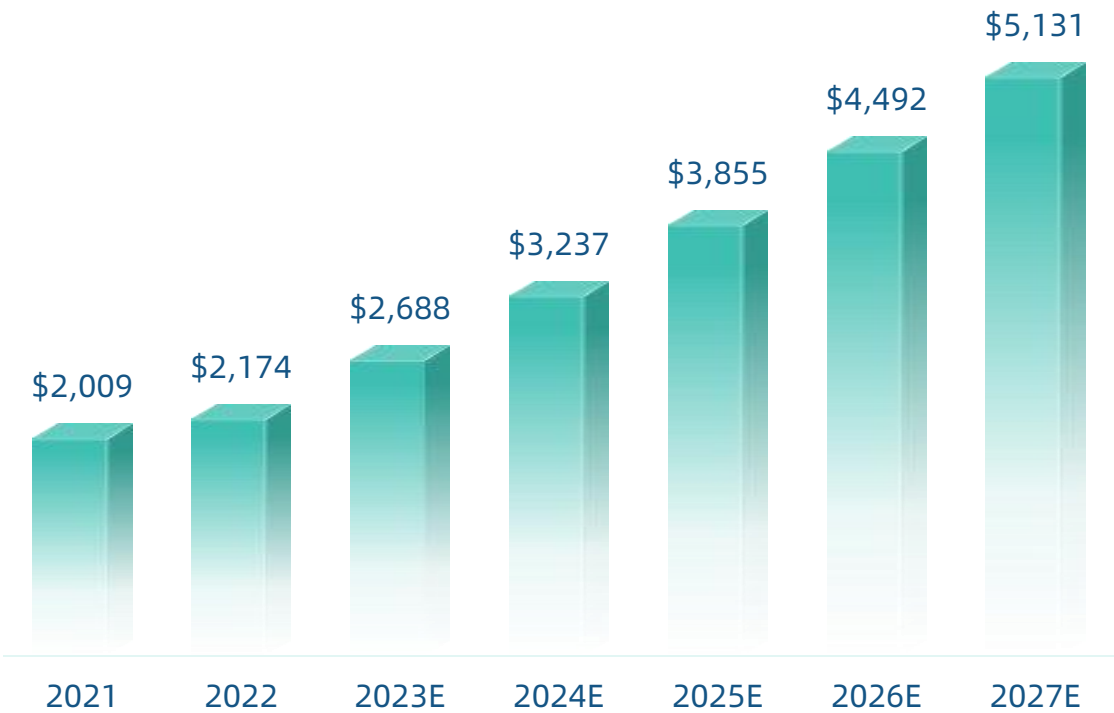
Assumptions: Configuration Table

	Front-view	Rear-view	Side-view	Surround-view	Interior-view
L0	0	0.6	0	0	0
L1	1	1	0	0	0
L2/L2+	1	1	2	4	0
L3	1	1	2	4	1
L4/L5	3	1	4	4	2

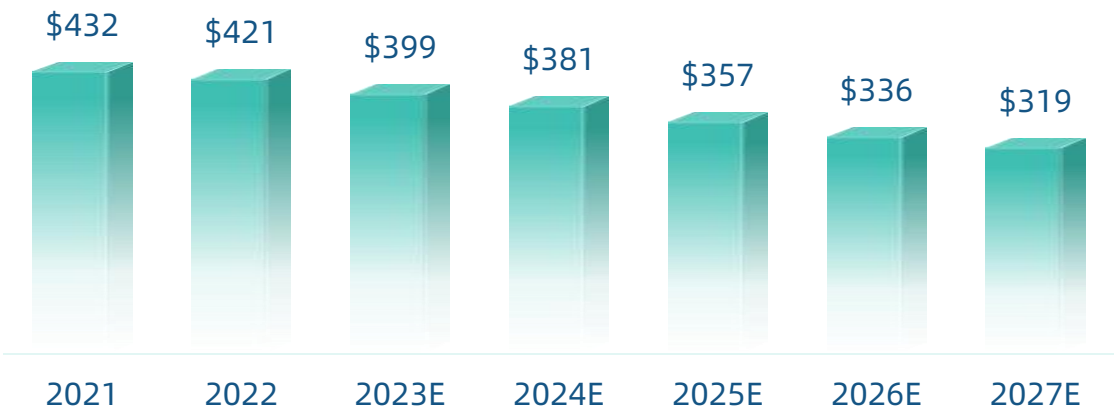
After considering the current vehicle configurations and ADAS technologies, ICV has established more reasonable assumptions for the number of cameras required for different levels of autonomous driving configurations. These assumptions will be used for market analysis and forecasting going forward.

Global Market Overview

Global Market Size Forecast – Factory Installed
(USD in Million)

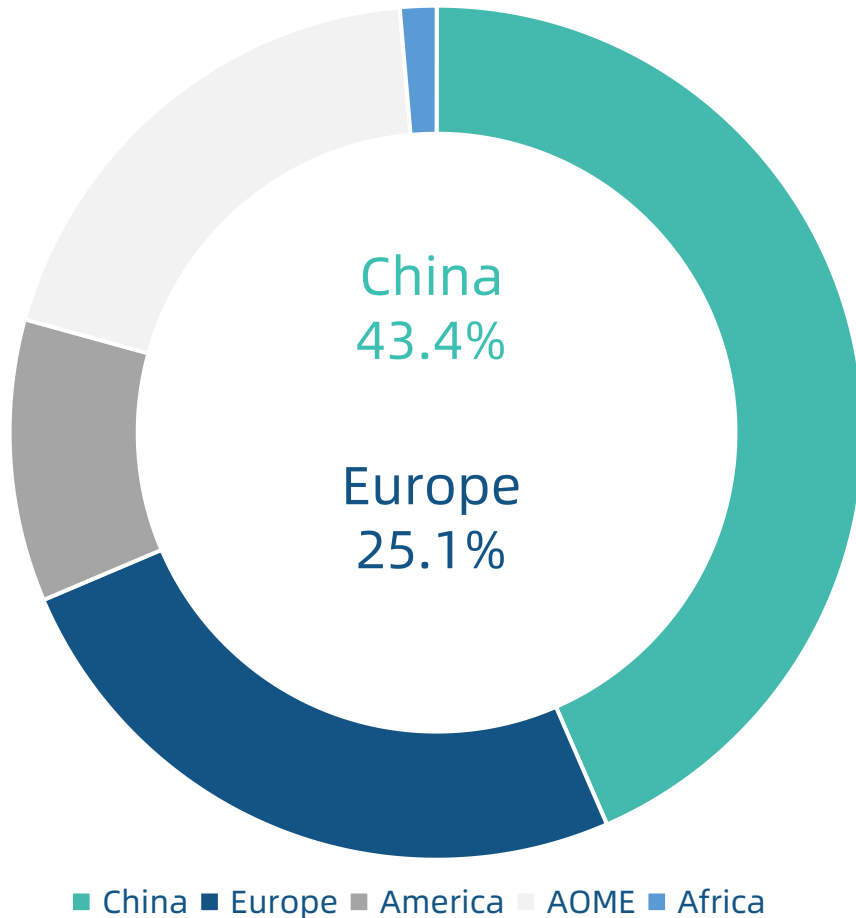


Global Market Size Forecast – Post-factory
(USD in Million)

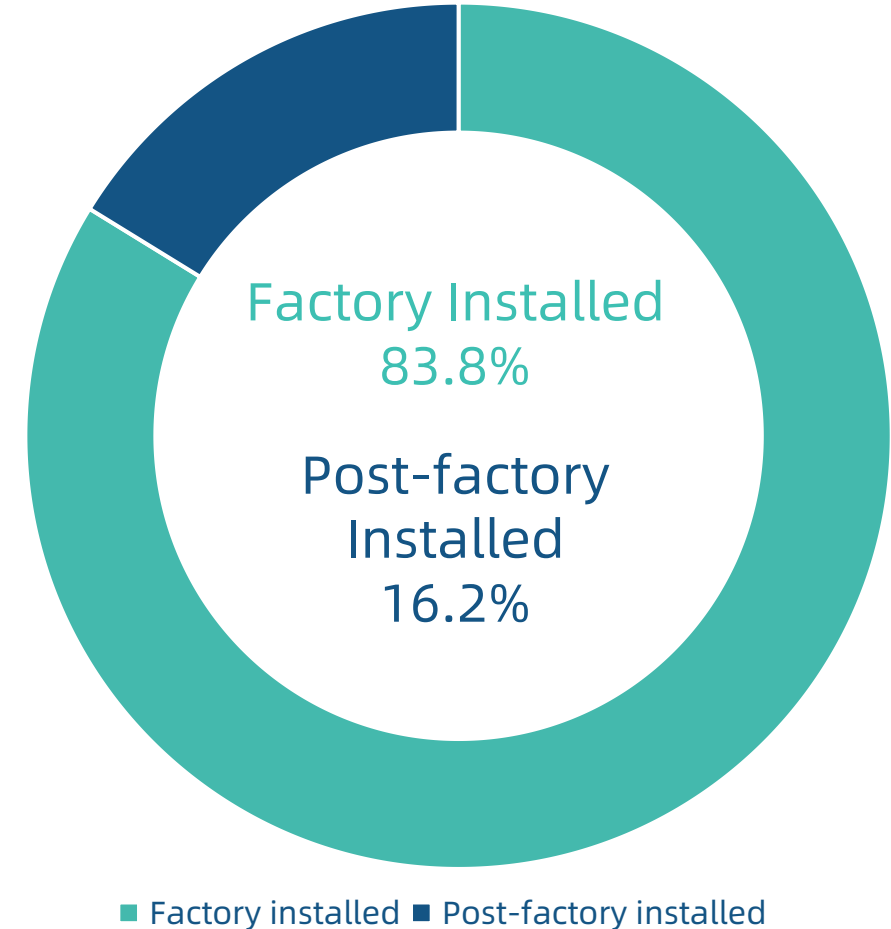


Market Segments

Market Share – by Region
(2022)



Market Share –by Distribution Channel
(2022)



Market Size Forecast - China (USD in Million)



The market of automotive CIS in **China** was worth \$1.13 billion in 2022, it was estimated to grow to \$2.44 billion in 2027, resulting at a 6-year CAGR of 13.7%.

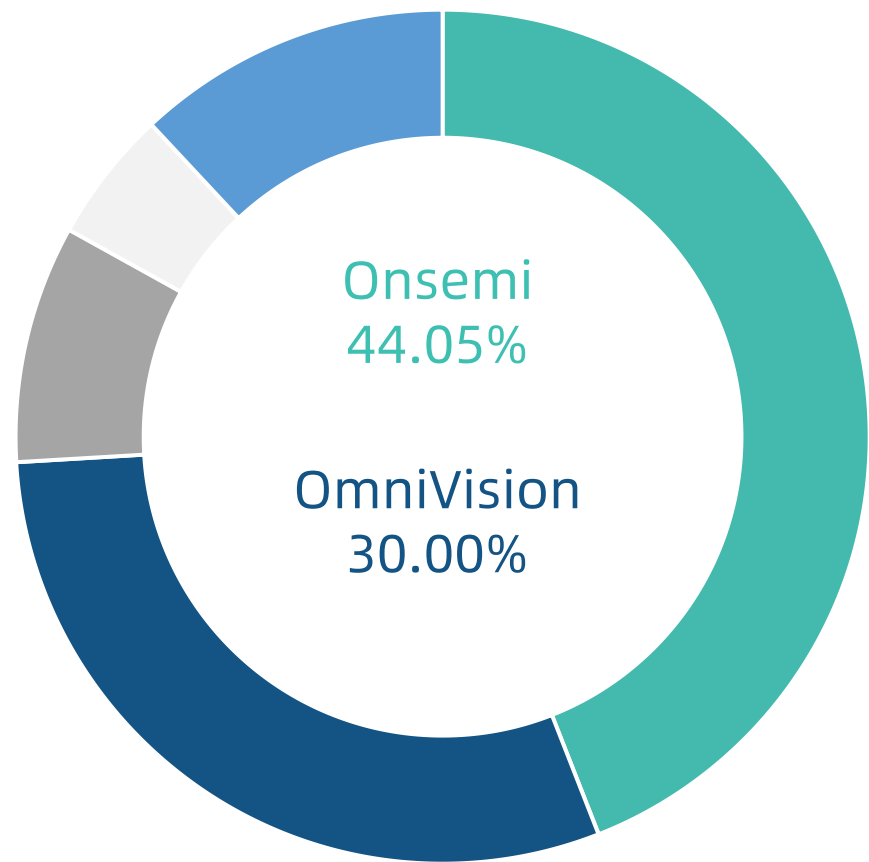
Market Size Forecast - Europe (USD in Million)



The **European** market was the second largest segment, it was worth \$652 million in 2022 and is estimated to increase to \$1.31 billion in 2027, with a 6-year CAGR of 12.3%.

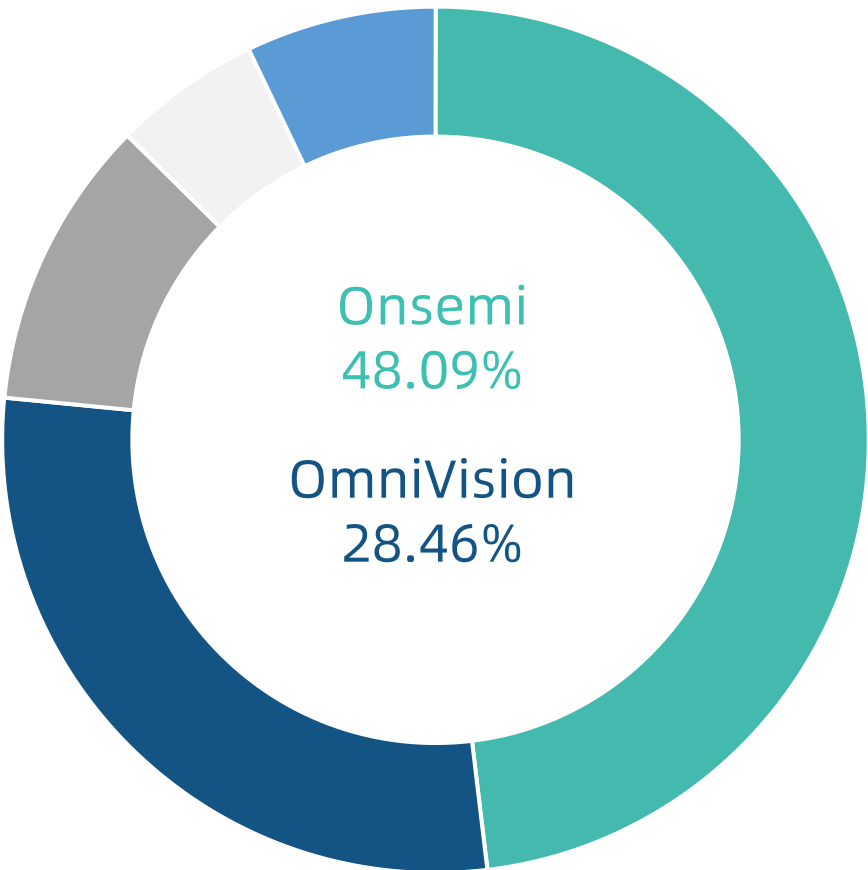
Competitive Landscape

Automotive CIS Revenue Share by Vendor
(2022)



■ onsemi ■ OmniVision ■ Samsung ■ SONY ■ Others

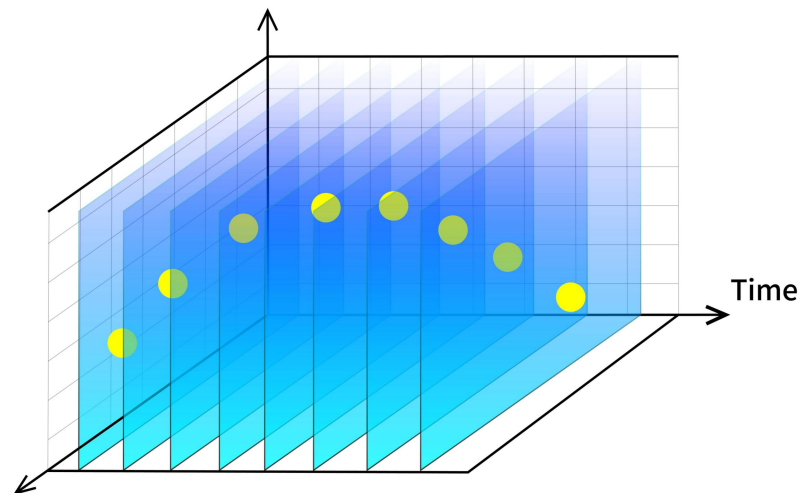
Automotive CIS Revenue Share by Vendor
(2023E)



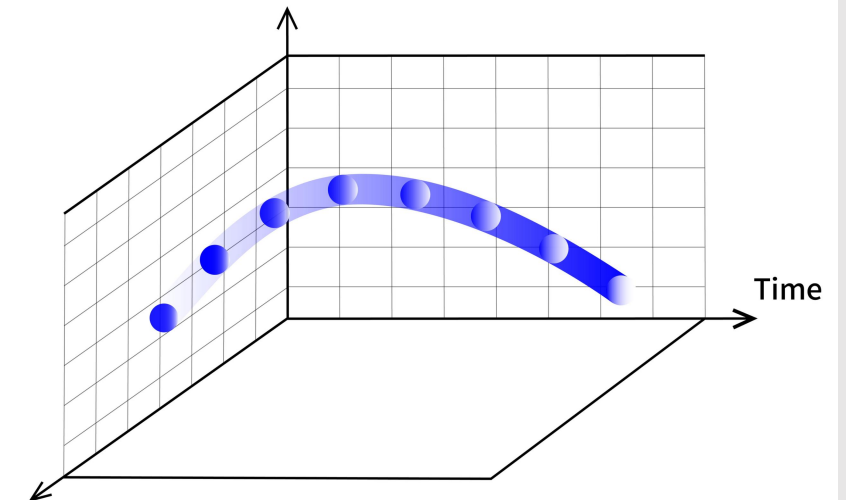
■ onsemi ■ OmniVision ■ Samsung ■ SONY ■ Others

CIS vs. EVS

CMOS Image Sensor



Event-Based Vision Sensor



About ICV TAnK

At ICV we are passionately curious about New Technology, and we strive to deliver the most robust market data and insights, to help our customers make the right strategic decisions.

We bring together the deepest intelligence across the widest set of capital-intensive industries and markets. By connecting data across variables, our analysts and industry specialists present our customers with a richer, highly integrated view of their world.

That is the benefit of The New Intelligence. We are able to isolate cause and effect, risk and opportunity in new ways that empower our customers to make well-informed decisions with greater confidence.



5250 Fairwind Dr. Mississauga, Ontario, L5R 3H4, Canada



(+1) 929 530 5901



infer@icvtank.com