

Global CMOS Sensors for UAV Market 2024 by Manufacturers, Regions, Type and Application, Forecast to 2030

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Abstracts

According to our (Global Info Research) latest study, the global CMOS Sensors for UAV market size was valued at USD 263.4 million in 2023 and is forecast to a readjusted size of USD 409.5 million by 2030 with a CAGR of 6.5% during review period.

The most suitable image sensor for drones and embedded vision systems is a CMOS sensor. This new industry standard achieves higher speeds and better image quality than its CCD counterparts due to its architecture, while also being significantly smaller in size. Developers can choose between global shutter and rolling shutter read-outs depending on their application needs.

The Global Info Research report includes an overview of the development of the CMOS Sensors for UAV industry chain, the market status of Military Drones (Rolling Shutter, Global Shutter), Civil Drones (Rolling Shutter, Global Shutter), and key enterprises in developed and developing market, and analysed the cutting-edge technology, patent, hot applications and market trends of CMOS Sensors for UAV.

Regionally, the report analyzes the CMOS Sensors for UAV markets in key regions. North America and Europe are experiencing steady growth, driven by government initiatives and increasing consumer awareness. Asia-Pacific, particularly China, leads the global CMOS Sensors for UAV market, with robust domestic demand, supportive policies, and a strong manufacturing base.

Key Features:

The report presents comprehensive understanding of the CMOS Sensors for UAV

market. It provides a holistic view of the industry, as well as detailed insights into individual components and stakeholders. The report analysis market dynamics, trends, challenges, and opportunities within the CMOS Sensors for UAV industry.

The report involves analyzing the market at a macro level:

Market Sizing and Segmentation: Report collect data on the overall market size, including the sales quantity (K Units), revenue generated, and market share of different by Type (e.g., Rolling Shutter, Global Shutter).

Industry Analysis: Report analyse the broader industry trends, such as government policies and regulations, technological advancements, consumer preferences, and market dynamics. This analysis helps in understanding the key drivers and challenges influencing the CMOS Sensors for UAV market.

Regional Analysis: The report involves examining the CMOS Sensors for UAV market at a regional or national level. Report analyses regional factors such as government incentives, infrastructure development, economic conditions, and consumer behaviour to identify variations and opportunities within different markets.

Market Projections: Report covers the gathered data and analysis to make future projections and forecasts for the CMOS Sensors for UAV market. This may include estimating market growth rates, predicting market demand, and identifying emerging trends.

The report also involves a more granular approach to CMOS Sensors for UAV:

Company Analysis: Report covers individual CMOS Sensors for UAV manufacturers, suppliers, and other relevant industry players. This analysis includes studying their financial performance, market positioning, product portfolios, partnerships, and strategies.

Consumer Analysis: Report covers data on consumer behaviour, preferences, and attitudes towards CMOS Sensors for UAV This may involve surveys, interviews, and analysis of consumer reviews and feedback from different by Application (Military Drones, Civil Drones).

Technology Analysis: Report covers specific technologies relevant to CMOS Sensors for UAV. It assesses the current state, advancements, and potential future

developments in CMOS Sensors for UAV areas.

Competitive Landscape: By analyzing individual companies, suppliers, and consumers, the report present insights into the competitive landscape of the CMOS Sensors for UAV market. This analysis helps understand market share, competitive advantages, and potential areas for differentiation among industry players.

Market Validation: The report involves validating findings and projections through primary research, such as surveys, interviews, and focus groups.

Market Segmentation

CMOS Sensors for UAV market is split by Type and by Application. For the period 2019-2030, the growth among segments provides accurate calculations and forecasts for consumption value by Type, and by Application in terms of volume and value.

Market segment by Type

Rolling Shutter

Global Shutter

Market segment by Application

Military Drones

Civil Drones

Major players covered

Canon

SONY

OmniVision

Canon

On Semi (Aptina)

Toshiba

ST

Nikon

PixelPlus

Pixart

SiliconFile

GalaxyCore

Smartsens Technology

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 Sensors for UAV product scope, market overview, market estimation caveats and base year.

Chapter 2, to profile the top manufacturers of CMOS Sensors for UAV, with price, sales, revenue and global market share of CMOS Sensors for UAV from 2019 to 2024.

Chapter 3, the CMOS Sensors for UAV competitive situation, sales quantity, revenue and global market share of top manufacturers are analyzed emphatically by landscape contrast.

Chapter 4, the CMOS Sensors for UAV breakdown data are shown at the regional level, to show the sales quantity, consumption value and growth by regions, from 2019 to 2030.

Chapter 5 and 6, to segment the sales by Type and application, with sales market share and growth rate by type, application, from 2019 to 2030.

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 2017 to 2023. and CMOS Sensors for UAV market forecast, by regions, type and application, with sales and revenue, from 2025 to 2030.

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 Sensors for UAV.

Chapter 14 and 15, to describe CMOS Sensors for UAV sales channel, distributors, customers, research findings and conclusion.

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