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Global Mobile Camera Auto Focus Driver IC 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 Camera Auto Focus Driver IC market size was valued at US$ 1402 million in 2025 and is forecast to a readjusted size of US$ 1037 million by 2032 with a CAGR of -4.2% during review period.

A mobile camera auto focus driver IC is a key control chip in the smartphone imaging system that translates autofocus algorithms into actuator motion. It is mainly used to drive voice coil motors or lens actuators with Hall feedback, enabling the lens to move quickly, stably, and with low power consumption along the optical axis to the target position, thereby addressing focus speed, positioning accuracy, and image stability challenges in close range, long range, low light, telephoto, and multi camera switching scenarios. The mainstream technology paths today include open loop AF, closed loop AF, and combined AF plus OIS control, while some higher end devices further integrate an MCU, DSP, Hall signal processing, PID control, and EEPROM to balance response speed, ringing suppression, position correction, and multi camera coordination. Typical customers include camera module manufacturers, smartphone OEMs and ODMs, and brand vendors seeking to tightly integrate autofocus and stabilization capabilities into flagship and upper mid range devices. Common delivery formats include standard catalog ICs, customized versions for specific modules, and integrated solutions bundled with firmware, parameter configuration, and reference designs. Based on official product pages, this segment has already evolved from single function AF current driving into a highly integrated imaging driver platform that combines high speed I2C, ultra compact packaging, closed loop feedback, and combined AF plus OIS control.

Mobile camera auto focus driver ICs have evolved from conventional single function

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actuator current controllers into critical control platforms at the execution layer of smartphone imaging systems. Products from TI and ROHM still reflect the classic optimization priorities of AF drivers, including ringing compensation, I2C control, and miniaturized packaging, while suppliers such as onsemi, Renesas, Zinitix, and HMI continue integrating AF, OIS, Hall feedback, PID, DSP, and MCU capabilities into a single chip. This indicates that the competitive focus of the segment has shifted from simply being able to drive the lens to delivering overall control capability within thinner module spaces, faster focus response, stronger anti shake stability, and more complex multi camera systems. For smartphone brands and camera module makers, the driver IC is no longer just a low cost supporting device, but an enabling chip that directly shapes photo experience, video stability, telephoto switching performance, and power efficiency. This is also why higher end devices are demanding more from closed loop control, combined AF plus OIS control, and higher bandwidth interfaces.

From a competition and supply chain perspective, the industry is forming a clearer regional division of roles and a more layered market structure. Japanese suppliers continue to hold strong capabilities in high reliability analog control and precision actuator driving, Korean suppliers remain highly visible in dedicated smartphone AF and OIS products, U.S. suppliers retain brand and technology advantages in broad analog and platform level control chips, and mainland Chinese suppliers are clearly strengthening both public product line completeness and customer coverage depth. The official websites of Awinic, Giantec, JADARD, and Chipsemi show that local vendors are no longer merely following the market, but are building continuous supply capabilities across different tiers of AF and VCM driver products. Combined with tariff volatility, supply chain restructuring, and the stronger dual sourcing requirements seen since 2025, brand vendors are increasingly likely to adopt multi region and multi tier sourcing strategies in this category. As a result, companies with verifiable public products, stable delivery capabilities, and strong support for rapid module level tuning are positioned to gain better design win opportunities.

On the demand side, the medium to long term outlook for this segment remains constructive, but the growth logic is shifting from camera count expansion toward imaging capability upgrades. IDC?s forecasts for global smartphone shipments show that the broader handset market may still fluctuate in the short term, and Omdia has also observed that average lens counts are declining. However, this does not necessarily imply lower value for autofocus driver ICs. On the contrary, as brands reduce low value filler cameras and redirect resources toward higher resolution main cameras, telephoto, periscope optics, front camera AF, video stabilization, and multi camera coordination, each driver IC is required to handle greater control complexity,

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higher technical thresholds, and denser value content. The increasing number of official AF plus OIS solutions, closed loop solutions, and ultra compact packages across supplier websites shows that industry growth is more likely to come from premiumization, functional convergence, and platform upgrades rather than simple volume stacking. As long as smartphone imaging remains a core selling point, this niche will continue to offer stable iteration potential and structural value expansion.

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

Global Mobile Camera Auto Focus Driver IC 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 Camera Auto Focus Driver IC 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 Camera Auto Focus Driver IC 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 Camera Auto Focus Driver IC

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

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To assess competitive factors affecting the marketplace

This report profiles key players in the global Mobile Camera Auto Focus Driver IC 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 Texas Instruments, onsemi, Renesas Electronics Corporation, ROHM Co., Ltd., Dongwoon Anatech Co., Ltd., Zinitix Co., Ltd., Shanghai Awinic Technology Co., Ltd., Giantec Semiconductor Corporation, JADARD TECHNOLOGY INC., Chipsemi Semiconductor (Ningbo) Co., Ltd., etc.

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

Market Segmentation

Mobile Camera Auto Focus Driver IC 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

Open Loop Auto Focus Driver IC

Closed Loop Auto Focus Driver IC

OIS Auto Focus Driver IC

Market segment by Control Architecture

Auto Focus

Auto Focus Plus OIS Composite Control

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Market segment by Functional Integration Level

- Driver-Only
- Driver Plus Memory
- Driver Plus Feedback Control
- MCU/DSP Highly Integrated

Market segment by Application

- IOS System
- Android System
- Other System

Major players covered

- Texas Instruments
- onsemi
- Renesas Electronics Corporation
- ROHM Co., Ltd.
- Dongwoon Anatech Co., Ltd.
- Zinitix Co., Ltd.
- Shanghai Awinic Technology Co., Ltd.
- Giantec Semiconductor Corporation
- JADARD TECHNOLOGY INC.

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Chipsemi Semiconductor (Ningbo) Co., Ltd.

HMI

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 Camera Auto Focus Driver IC product scope, market overview, market estimation caveats and base year.

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

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

Chapter 4, the Mobile Camera Auto Focus Driver IC 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.

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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 Camera Auto Focus Driver IC 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 Camera Auto Focus Driver IC.

Chapter 14 and 15, to describe Mobile Camera Auto Focus Driver IC sales channel, distributors, customers, research findings and conclusion.

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