

Automotive Camera Market to Reach USD \$16.93 Billion by 2029 at 11.6% CAGR

*The Business Research Company's
Automotive Camera Global Market
Report 2025 – Market Size, Trends, And
Global Forecast 2025-2034*

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How Big Is The Automotive Camera Market In 2025?

In recent years, [the size of the automotive camera market](#) has expanded significantly, escalating

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from \$9.9 billion in 2024 to an anticipated \$10.93 billion in 2025. This represents a Compound Annual Growth Rate (CAGR) of 10.4%. The notable growth during the earlier period was majorly due to the elevated focus on vehicle safety, wider acceptance of Advanced Driver Assistance Systems (ADAS), stricter regulatory standards for rearview and surround-view cameras, increased consumer demand for parking assistance systems and collision prevention technology, as well as the incorporation of cameras in the development of autonomous vehicles.

Rapid expansion is anticipated in the automotive camera market size over the coming years, with a predicted growth to \$16.93 billion by 2029, reflecting a compound annual growth rate (CAGR) of 11.6%. This growth upswing during the forecast period is likely due to factors such as the broadening of the connected car ecosystem, the increasing adoption of 360-degree camera systems, more frequent use of cameras in commercial vehicles for fleet management, and a rising demand for advanced safety features and shared mobility. Key trends expected during the forecast period encompass the integration of artificial intelligence (AI) and machine learning, the creation of high-resolution cameras with superior low-light performance, vehicle model-specific camera system customizations, collaborations between car manufacturers and tech suppliers for innovative camera technology, and the employment of cameras in augmented reality (AR)

displays and enhanced driver aid features.

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What Are The Key Driving Factors For The Growth Of The Automotive Camera Market?

The growth of the automotive camera market is predicted to be driven by a rise in the number of road deaths. A road fatality is defined as any individual who loses their life or passes away within 30 days due to a road injury accident. Vehicle camera systems incorporate an accelerometer and g-sensor, GPS tracking, and motion detection, which facilitate the identification of multiple safety-related occurrences, such as harsh braking or turning, and collisions. The system rapidly uploads footage from before and after an incident for early review. For example, a report by Road Safety Wales 2024, a non-profit professional organization based in the UK, disclosed that there were 4,348 road casualties reported by the police in Wales in 2023, a 2% increase from 2022.

Who Are The Key Players In The Automotive Camera Industry?

Major players in the Automotive Camera include:

- Continental Automotive GmbH
- Robert Bosch GmbH Mobility Solutions
- Valeo SA
- Aptiv PLC
- Magna International Inc.
- Mobileye NV
- OmniVision Technologies Inc.
- ZF Friedrichshafen AG
- Denso Corporation
- Hella GmbH & Co KGaA

What Are The Upcoming [Trends Of Automotive Camera Market In The Globe?](#)

Top firms in the automotive camera market are directing their efforts towards creating fresh tech solutions like the hot-pluggable GMSL automotive HDR cameras. These not only improve image quality and system performance in varying driving situations, but also simplify the installation and system integration process. A hot-pluggable GMSL automotive HDR camera is a superior vehicle camera that can be plugged in without needing to power the system off and employs Gigabit Multimedia Serial Link for swift data transmission. A case in point is e-con Systems, an American OEM camera solution firm, which in October 2024, introduced the STURDeCAM34, the first of its kind hot-pluggable GMSL automotive HDR camera in the world. With a 3MP resolution and superior 140 dB HDR capability, this groundbreaking camera offers uninterrupted connectivity and compatibility without causing system downtime, thus making it perfectly suited for complicated automotive applications. It uses the AR0341AT CMOS image sensor from Onsemi and comes equipped with features such as LED flicker mitigation, multi-camera synchronization (with support for up to eight cameras), and a strong IP69K rating to withstand harsh conditions.

What Segments Are Covered In The Automotive Camera Market Report?

The automotive camera market covered in this report is segmented –

- 1) By Vehicle Type: Passenger Vehicle, Light Commercial Vehicle, Heavy Commercial Vehicle
- 2) By View Type: Single View System, Multi Camera System
- 3) By Technology: Digital Cameras, Infrared Cameras, Thermal Cameras
- 4) By Application: Park Assist, Advanced Driver-Assistance Systems

Subsegments:

- 1) By Passenger Vehicle: Compact Cars, Sedans, SUVs, Hatchbacks, Luxury Vehicles
- 2) By Light Commercial Vehicle: Vans, Pickup Trucks, Minibuses
- 3) By Heavy Commercial Vehicle: Buses, Trucks, Trailers

View the full automotive camera market report:

<https://www.thebusinessresearchcompany.com/report/automotive-camera-global-market-report>

Which Region Is Expected To Lead The Automotive Camera Market By 2025?

In 2024, Asia-Pacific held the leading position in the automotive camera market and is also expected to experience the most rapid growth in the upcoming years. Other regions analyzed in the automotive camera market survey include Western Europe, Eastern Europe, North America, South America, the Middle East, and Africa.

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