

# **Global Vehicle Camera Market Size study, by Vehicle Type (Commercial Vehicle, Passenger Vehicle), by Camera Type (Front View, Rear View, Interior Cam), by Technology (Night Vision Recording, Built-in GPS, Accident Sensor), by Application (Government and Defense, Private Vehicles, Transportation Vehicles), and Regional Forecasts 2022-2032**

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## **Abstracts**

Global Vehicle Camera Market is valued approximately at USD 8.61 billion in 2023 and is anticipated to grow with a healthy growth rate of more than 12.30% over the forecast period 2024-2032. Vehicle cameras, which are digital recording devices installed in vehicles, capture real-time footage of their surroundings, enhancing safety, aiding in accident documentation, and assisting with navigation, frequently integrating with advanced driver assistance systems (ADAS). These cameras offer various benefits such as improving safety, facilitating accident documentation, assisting with parking, monitoring driver behavior, providing evidence for insurance claims, deterring theft, supporting autonomous driving, capturing road trip memories, and assisting law enforcement with traffic infractions.

The Global Vehicle Camera Market is driven by the rising demand for Advanced Driver Assistance Systems (ADAS), which significantly improve vehicle safety and assist drivers with parking, lane keeping, and accident avoidance. The development and implementation of self-driving and semi-autonomous vehicles, which rely heavily on camera systems for navigation, object detection, and situational awareness, are further expanding the market. Additionally, technological advancements and innovations, such as AI and machine learning integration for improved object recognition and real-time decision-making, high-resolution imaging, night vision, and 360-degree views, are

enhancing the capabilities and applications of vehicle cameras.

Despite the promising growth, the market faces challenges such as the high cost of modern technologies like high-definition cameras, night vision, and AI-powered analytics, which can limit their adoption in price-sensitive markets. Privacy and security concerns associated with continuous recording capabilities and regulatory and compliance issues across different regions also pose significant challenges. However, the rising adoption of ADAS functions in vehicles and the increasing automotive safety regulations enforced by governments worldwide are creating lucrative opportunities for market players. The growing popularity of dash cams among consumers and fleet owners, driven by their ability to provide evidence in accidents, deter fraudulent insurance claims, and enhance overall security, is another key trend contributing to market growth.

The key regions considered in the study include Asia Pacific, North America, Europe, Latin America, and the Middle East and Africa. North America is expected to dominate the global vehicle camera market due to its advanced automotive sector, strict safety standards, and high adoption rate of ADAS and other vehicle safety technologies. The presence of key market players and continuous technological advancements in camera systems further support North America's market leadership. Meanwhile, Asia Pacific is anticipated to be the fastest-growing region, driven by rapid urbanization, rising disposable incomes, increasing vehicle sales, and stringent safety regulations enforced by governments in countries like China, India, and Japan. The region's thriving automotive manufacturing industry and growing customer awareness of vehicle safety are also contributing to market expansion.

Major market players included in this report are:

Continental AG  
Robert Bosch GmbH  
Valeo SA  
Aptiv PLC  
Denso Corporation  
Sony Group Corporation  
Samsung Electronics Co., Ltd.  
OmniVision Technologies, Inc.  
STMicroelectronics NV  
Mobileye N.V.  
Ficosa International S.A.  
Clarion Co., Ltd.

Ambarella, Inc.  
Harman International Industries, Inc.  
Aptiv PLC

The detailed segments and sub-segment of the market are explained below:

By Vehicle Type:

Commercial Vehicle  
Passenger Vehicle

By Camera Type:

Front View  
Rear View  
Interior Cam

By Technology:

Night Vision Recording  
Built-in GPS  
Accident Sensor

By Application:

Government and Defense  
Private Vehicles  
Transportation Vehicles

By Region:

North America  
U.S.  
Canada

Europe

UK

Germany

France

Spain

Italy

ROE

Asia Pacific

China

India  
Japan  
Australia  
South Korea  
RoAPAC

Latin America  
Brazil  
Mexico  
Rest of Latin America

Middle East & Africa  
Saudi Arabia  
South Africa  
RoMEA

Years considered for the study are as follows:

Historical year – 2022

Base year – 2023

Forecast period – 2024 to 2032

Key Takeaways:

Market Estimates & Forecast for 10 years from 2022 to 2032.

Annualized revenues and regional level analysis for each market segment.

Detailed analysis of geographical landscape with Country level analysis of major regions.

Competitive landscape with information on major players in the market.

Analysis of key business strategies and recommendations on future market approach.

Analysis of competitive structure of the market.

Demand side and supply side analysis of the market.

## Contents

### **CHAPTER 1. GLOBAL VEHICLE CAMERA MARKET EXECUTIVE SUMMARY**

- 1.1. Global Vehicle Camera Market Size & Forecast (2022-2032)
- 1.2. Regional Summary
- 1.3. Segmental Summary
  - 1.3.1. By Vehicle Type
  - 1.3.2. By Camera Type
  - 1.3.3. By Technology
  - 1.3.4. By Application
- 1.4. Key Trends
- 1.5. Recession Impact
- 1.6. Analyst Recommendation & Conclusion

### **CHAPTER 2. GLOBAL VEHICLE CAMERA MARKET DEFINITION AND RESEARCH ASSUMPTIONS**

- 2.1. Research Objective
- 2.2. Market Definition
- 2.3. Research Assumptions
  - 2.3.1. Inclusion & Exclusion
  - 2.3.2. Limitations
  - 2.3.3. Supply Side Analysis
    - 2.3.3.1. Availability
    - 2.3.3.2. Infrastructure
    - 2.3.3.3. Regulatory Environment
    - 2.3.3.4. Market Competition
    - 2.3.3.5. Economic Viability (Consumer's Perspective)
  - 2.3.4. Demand Side Analysis
    - 2.3.4.1. Regulatory Frameworks
    - 2.3.4.2. Technological Advancements
    - 2.3.4.3. Environmental Considerations
    - 2.3.4.4. Consumer Awareness & Acceptance
- 2.4. Estimation Methodology
- 2.5. Years Considered for the Study
- 2.6. Currency Conversion Rates

### **CHAPTER 3. GLOBAL VEHICLE CAMERA MARKET DYNAMICS**

*Global Vehicle Camera Market Size study, by Vehicle Type (Commercial Vehicle, Passenger Vehicle), by Camera Ty...*

### 3.1. Market Drivers

- 3.1.1. Rising Demand for Advanced Driver Assistance Systems (ADAS)
- 3.1.2. The Rise of Autonomous Vehicles
- 3.1.3. Technological Advancements and Innovations

### 3.2. Market Challenges

- 3.2.1. High Cost of Modern Technologies
- 3.2.2. Privacy and Security Concerns
- 3.2.3. Regulatory and Compliance Issues

### 3.3. Market Opportunities

- 3.3.1. Increasing Adoption of Electric Vehicles (EVs) and Autonomous Vehicles (AVs)
- 3.3.2. Growing Consumer Awareness and Demand for Safety Features
- 3.3.3. Expansion in Emerging Markets

## **CHAPTER 4. GLOBAL VEHICLE CAMERA MARKET INDUSTRY ANALYSIS**

### 4.1. Porter's 5 Force Model

- 4.1.1. Bargaining Power of Suppliers
- 4.1.2. Bargaining Power of Buyers
- 4.1.3. Threat of New Entrants
- 4.1.4. Threat of Substitutes
- 4.1.5. Competitive Rivalry
- 4.1.6. Futuristic Approach to Porter's 5 Force Model
- 4.1.7. Porter's 5 Force Impact Analysis

### 4.2. PESTEL Analysis

- 4.2.1. Political
- 4.2.2. Economical
- 4.2.3. Social
- 4.2.4. Technological
- 4.2.5. Environmental
- 4.2.6. Legal

### 4.3. Top Investment Opportunity

### 4.4. Top Winning Strategies

### 4.5. Disruptive Trends

### 4.6. Industry Expert Perspective

### 4.7. Analyst Recommendation & Conclusion

## **CHAPTER 5. GLOBAL VEHICLE CAMERA MARKET SIZE & FORECASTS BY VEHICLE TYPE 2022-2032**

5.1. Segment Dashboard

5.2. Global Vehicle Camera Market: Vehicle Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)

5.2.1. Commercial Vehicle

5.2.2. Passenger Vehicle

## **CHAPTER 6. GLOBAL VEHICLE CAMERA MARKET SIZE & FORECASTS BY CAMERA TYPE 2022-2032**

6.1. Segment Dashboard

6.2. Global Vehicle Camera Market: Camera Type Revenue Trend Analysis, 2022 & 2032 (USD Billion)

6.2.1. Front View

6.2.2. Rear View

6.2.3. Interior Cam

## **CHAPTER 7. GLOBAL VEHICLE CAMERA MARKET SIZE & FORECASTS BY TECHNOLOGY 2022-2032**

7.1. Segment Dashboard

7.2. Global Vehicle Camera Market: Technology Revenue Trend Analysis, 2022 & 2032 (USD Billion)

7.2.1. Night Vision Recording

7.2.2. Built-in GPS

7.2.3. Accident Sensor

## **CHAPTER 8. GLOBAL VEHICLE CAMERA MARKET SIZE & FORECASTS BY APPLICATION 2022-2032**

8.1. Segment Dashboard

8.2. Global Vehicle Camera Market: Application Revenue Trend Analysis, 2022 & 2032 (USD Billion)

8.2.1. Government and Defense

8.2.2. Private Vehicles

8.2.3. Transportation Vehicles

## **CHAPTER 9. GLOBAL VEHICLE CAMERA MARKET SIZE & FORECASTS BY REGION 2022-2032**

- 9.1. North America Vehicle Camera Market
  - 9.1.1. U.S. Vehicle Camera Market
    - 9.1.1.1. Vehicle Type breakdown size & forecasts, 2022-2032
    - 9.1.1.2. Camera Type breakdown size & forecasts, 2022-2032
    - 9.1.1.3. Technology breakdown size & forecasts, 2022-2032
    - 9.1.1.4. Application breakdown size & forecasts, 2022-2032
  - 9.1.2. Canada Vehicle Camera Market
- 9.2. Europe Vehicle Camera Market
  - 9.2.1. Germany Vehicle Camera Market
  - 9.2.2. UK Vehicle Camera Market
  - 9.2.3. France Vehicle Camera Market
  - 9.2.4. Italy Vehicle Camera Market
  - 9.2.5. Spain Vehicle Camera Market
  - 9.2.6. Rest of Europe Vehicle Camera Market
- 9.3. Asia Pacific Vehicle Camera Market
  - 9.3.1. China Vehicle Camera Market
  - 9.3.2. India Vehicle Camera Market
  - 9.3.3. Japan Vehicle Camera Market
  - 9.3.4. Australia Vehicle Camera Market
  - 9.3.5. South Korea Vehicle Camera Market
  - 9.3.6. Rest of Asia Pacific Vehicle Camera Market
- 9.4. Latin America Vehicle Camera Market
  - 9.4.1. Brazil Vehicle Camera Market
  - 9.4.2. Mexico Vehicle Camera Market
  - 9.4.3. Rest of Latin America Vehicle Camera Market
- 9.5. Middle East & Africa Vehicle Camera Market
  - 9.5.1. Saudi Arabia Vehicle Camera Market
  - 9.5.2. South Africa Vehicle Camera Market
  - 9.5.3. Rest of Middle East & Africa Vehicle Camera Market

## **CHAPTER 10. COMPETITIVE INTELLIGENCE**

- 10.1. Key Company SWOT Analysis
  - 10.1.1. Company
  - 10.1.2. Company
  - 10.1.3. Company
- 10.2. Top Market Strategies
- 10.3. Company Profiles



- 10.3.1. Continental AG
  - 10.3.1.1. Key Information
  - 10.3.1.2. Overview
  - 10.3.1.3. Financial (Subject to Data Availability)
  - 10.3.1.4. Product Summary
  - 10.3.1.5. Market Strategies
- 10.3.2. Robert Bosch GmbH
- 10.3.3. Valeo SA
- 10.3.4. Aptiv PLC
- 10.3.5. Denso Corporation
- 10.3.6. Sony Group Corporation
- 10.3.7. Samsung Electronics Co., Ltd.
- 10.3.8. OmniVision Technologies, Inc.
- 10.3.9. STMicroelectronics NV
- 10.3.10. Mobileye N.V.
- 10.3.11. Ficosa International S.A.
- 10.3.12. Clarion Co., Ltd.
- 10.3.13. Ambarella, Inc.
- 10.3.14. Harman International Industries, Inc.
- 10.3.15. Aptiv PLC

## **CHAPTER 11. RESEARCH PROCESS**

- 11.1. Research Process
  - 11.1.1. Data Mining
  - 11.1.2. Analysis
  - 11.1.3. Market Estimation
  - 11.1.4. Validation
  - 11.1.5. Publishing
- 11.2. Research Attributes

## List Of Tables

### LIST OF TABLES

TABLE 1. Global Vehicle Camera market, report scope

TABLE 2. Global Vehicle Camera market estimates & forecasts by Region 2022-2032 (USD Billion)

TABLE 3. Global Vehicle Camera market estimates & forecasts by Vehicle Type 2022-2032 (USD Billion)

TABLE 4. Global Vehicle Camera market estimates & forecasts by Camera Type 2022-2032 (USD Billion)

TABLE 5. Global Vehicle Camera market estimates & forecasts by Technology 2022-2032 (USD Billion)

TABLE 6. Global Vehicle Camera market estimates & forecasts by Application 2022-2032 (USD Billion)

TABLE 7. Global Vehicle Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 8. Global Vehicle Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 9. Global Vehicle Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 10. Global Vehicle Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 11. Global Vehicle Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 12. Global Vehicle Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 13. Global Vehicle Camera market by segment, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 14. Global Vehicle Camera market by region, estimates & forecasts, 2022-2032 (USD Billion)

TABLE 15. U.S. Vehicle Camera market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 16. U.S. Vehicle Camera market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 17. U.S. Vehicle Camera market estimates & forecasts by segment 2022-2032 (USD Billion)

TABLE 18. Canada Vehicle Camera market estimates & forecasts, 2022-2032 (USD Billion)

TABLE 19. Canada Vehicle Camera market estimates & forecasts by segment

2022-2032 (USD Billion)

TABLE 20. Canada Vehicle Camera market estimates & forecasts by segment

2022-2032 (USD Billion)

.....

This list is not complete, final report does contain more than 100 tables. The list may be updated in the final deliverable.

## List Of Figures

### LIST OF FIGURES

- FIG 1. Global Vehicle Camera market, research methodology
- FIG 2. Global Vehicle Camera market, market estimation techniques
- FIG 3. Global market size estimates & forecast methods.
- FIG 4. Global Vehicle Camera market, key trends 2023
- FIG 5. Global Vehicle Camera market, growth prospects 2022-2032
- FIG 6. Global Vehicle Camera market, porters 5 force model
- FIG 7. Global Vehicle Camera market, PESTEL analysis
- FIG 8. Global Vehicle Camera market, value chain analysis
- FIG 9. Global Vehicle Camera market by segment, 2022 & 2032 (USD Billion)
- FIG 10. Global Vehicle Camera market by segment, 2022 & 2032 (USD Billion)
- FIG 11. Global Vehicle Camera market by segment, 2022 & 2032 (USD Billion)
- FIG 12. Global Vehicle Camera market by segment, 2022 & 2032 (USD Billion)
- FIG 13. Global Vehicle Camera market by segment, 2022 & 2032 (USD Billion)
- FIG 14. Global Vehicle Camera market, regional snapshot 2022 & 2032
- FIG 15. North America Vehicle Camera market 2022 & 2032 (USD Billion)
- FIG 16. Europe Vehicle Camera market 2022 & 2032 (USD Billion)
- FIG 17. Asia pacific Vehicle Camera market 2022 & 2032 (USD Billion)
- FIG 18. Latin America Vehicle Camera market 2022 & 2032 (USD Billion)
- FIG 19. Middle East & Africa Vehicle Camera market 2022 & 2032 (USD Billion)
- FIG 20. Global Vehicle Camera market, company market share analysis (2023)

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This list is not complete, final report does contain more than 50 figures. The list may be updated in the final deliverable.

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