

Automotive Rain Sensor Market Size, Share & Trends Analysis Report by Vehicle Type (Passenger Vehicle, Commercial Vehicle), By Sales Channel (OEM, Aftermarket), By Region, And Segment Forecasts, 2024 - 2030

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Abstracts

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Automotive Rain Sensor Market Growth & Trends

The global automotive rain sensor market size is estimated to reach USD 8.39 billion by 2030, exhibiting a CAGR of 7.7% from 2024 to 2030, according to a new report by Grand View Research, Inc. The increasing awareness for safety, vehicle sales, and the need for advanced driving assistance systems drive the market growth for automotive rain sensors. Rain sensors ensure optimal wiper operation, preventing blurred vision caused by inadequate wiping or streaking. It enhances safety and creates a more comfortable and stress-free driving experience, especially during long journeys or challenging weather conditions.

Modern rain sensors offer advanced features and technological integration beyond basic functionality. Some systems adjust wiper speed based on rainfall intensity, while others integrate with automatic headlight activation for improved nighttime visibility. These technological advancements cater to the growing consumer demand for driver assistance features and a more sophisticated in-car experience. The automotive rain sensor detects moisture on the vehicle's windscreen and automatically activates the wipers, reducing the driver's intervention and adding to the driver's comfort. Rain sensors are part of autonomous driving assistance systems, which offer enhanced safety features such as parking assist, lane keep assist, emergency braking system,

blind spot monitoring system, and others.

Governments are investing in improving the road infrastructure, which includes better signage, well-maintained pavements, and dedicated lanes for cyclists and pedestrians. This investment facilitates smoother traffic flow and creates a safer environment for all road users. Educational campaigns targeting all road users, including drivers, cyclists, and pedestrians, aim to raise awareness about safe driving practices, the dangers of distracted driving, and the importance of adhering to traffic rules. These campaigns often use targeted messaging and leverage various media channels to reach a wider audience. Automobile manufacturers also incorporate advanced safety features, such as automotive rain sensors, to help improve driver safety.

Automotive Rain Sensor Market Report Highlights

Based on vehicle type, passenger vehicles accounted for the largest revenue share of 77.3% in 2023. The rise in disposable incomes and consumer demand for enhanced comfort features are driving segment growth.

Based on sales channel, the aftermarket is expected to grow at the fastest CAGR over the forecast period. The increasing demand for vehicle repairs, spare parts, and customizations is expected to drive the market growth. Aftermarket rain sensors cost less than OEM sensors and are cost-effective to replace in case of damage or malfunction. Additionally, aftermarket rain sensors are accessible in parts where authorized service stations are absent.

The Asia Pacific region held the largest market share in 2023. The region's increasing population, demand for safer vehicles, and government regulations drive the market's growth.

Contents

CHAPTER 1. METHODOLOGY AND SCOPE

- 1.1. Market Segmentation & Scope
- 1.2. Segment Definitions
 - 1.2.1. Vehicle Type
 - 1.2.2. Sales Channel
 - 1.2.3. Regional Scope
 - 1.2.4. Estimates And Forecasts Timeline
- 1.3. Research Methodology
 - 1.3.1. Information Procurement
 - 1.3.2. Information Or Data Analysis
 - 1.3.3. Market Formulation & Data Visualization
 - 1.3.4. Data Validation & Publishing
- 1.4. Research Scope and Assumptions
- 1.5. List of Data Sources

CHAPTER 2. EXECUTIVE SUMMARY

- 2.1. Market Outlook
- 2.2. Segment Outlook
 - 2.2.1. Vehicle Type Outlook
 - 2.2.2. Sales Channel Outlook
- 2.3. Competitive Insights

CHAPTER 3. GLOBAL AUTOMOTIVE RAIN SENSOR MARKET VARIABLES, TRENDS & SCOPE

- 3.1. Market Lineage Outlook
 - 3.1.1. Parent Market Outlook
 - 3.1.2. Related/Ancillary Market Outlook
- 3.2. Market Dynamics
 - 3.2.1. Market driver analysis
 - 3.2.1.1. The increasing demand for electric vehicles
 - 3.2.1.2. Advancement in sensor technology
 - 3.2.2. Market Restraint Analysis
 - 3.2.2.1. Limited availability of aftermarket rain sensor solutions for retrofitting older vehicles or non-luxury car models

- 3.2.3. Market Opportunity Analysis
 - 3.2.3.1. The rise of connected car technologies
- 3.3. Automotive Rain Sensor Analysis Tools
 - 3.3.1. Industry Analysis - Porter's Five Forces
 - 3.3.1.1. Supplier power
 - 3.3.1.2. Buyer power
 - 3.3.1.3. Substitution threat
 - 3.3.1.4. Threat of new entrant
 - 3.3.1.5. Competitive rivalry
 - 3.3.2. PESTEL Analysis
 - 3.3.2.1. Political landscape
 - 3.3.2.2. Economic landscape
 - 3.3.2.3. Social landscape
 - 3.3.2.4. Technological landscape
 - 3.3.2.5. Environmental landscape
 - 3.3.2.6. Legal landscape

CHAPTER 4. AUTOMOTIVE RAIN SENSORS MARKET: VEHICLE TYPE ESTIMATES & TREND ANALYSIS

- 4.1. Vehicle Type Movement Analysis & Market Share, 2023 & 2030
- 4.2. Automotive Rain Sensors Market Estimates & Forecast, By Vehicle Type, 2017 to 2030 (USD Million)
- 4.3. Passenger Vehicle
 - 4.3.1. Passenger Vehicle Market Estimates and Forecasts, 2017 - 2030 (USD Million)
- 4.4. Commercial Vehicle
 - 4.4.1. Commercial Vehicle Market Estimates and Forecasts, 2017 - 2030 (USD Million)
 - 4.4.2. Light Commercial Vehicle
 - 4.4.2.1. Light Commercial Vehicle Market Estimates and Forecasts, 2017 - 2030 (USD Million)
 - 4.4.3. Heavy Commercial Vehicle
 - 4.4.3.1. Heavy Commercial Vehicle Market Estimates and Forecasts, 2017 - 2030 (USD Million)

CHAPTER 5. AUTOMOTIVE RAIN SENSOR MARKET: SALES CHANNEL ESTIMATES & TREND ANALYSIS

- 5.1. Sales Channel Movement Analysis & Market Share, 2023 & 2030
- 5.2. Automotive Rain Sensor Market Estimates & Forecast, By Sales Channel, 2017 to

2030 (USD Million)

5.3. OEM

5.3.1. OEM Market Estimates and Forecasts, 2017 - 2030 (USD Million)

5.4. Aftermarket

5.4.1. Aftermarket Market Estimates and Forecasts, 2017 - 2030 (USD Million)

CHAPTER 6. AUTOMOTIVE RAIN SENSOR MARKET: REGIONAL ESTIMATES & TREND ANALYSIS

6.1. Automotive Rain Sensor Market Share, By Region, 2023 & 2030 (USD Billion)

6.2. North America

6.2.1. North America Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.2.2. U.S.

6.2.2.1. U.S. Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.2.3. Canada

6.2.3.1. Canada Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.3. Europe

6.3.1. Europe Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.3.2. UK

6.3.2.1. UK Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.3.3. Germany

6.3.3.1. Germany Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.3.4. France

6.3.4.1. France Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.4. Asia Pacific

6.4.1. Asia Pacific Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.4.2. China

6.4.2.1. China Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.4.3. Japan

6.4.3.1. Japan Automotive Rain Sensor Market Estimates and Forecasts, 2017 -

2030 (USD Million)

6.4.4. India

6.4.4.1. India Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.4.5. South Korea

6.4.5.1. South Korea Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.4.6. Australia

6.4.6.1. Australia Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.5. Latin America

6.5.1. Latin America Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.5.2. Brazil

6.5.2.1. Brazil Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.5.3. Mexico

6.5.3.1. Mexico Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.6. Middle East and Africa

6.6.1. Middle East and Africa Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.6.2. Kingdom of Saudi Arabia (KSA)

6.6.2.1. Kingdom of Saudi Arabia (KSA) Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.6.3. UAE

6.6.3.1. UAE Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

6.6.4. South Africa

6.6.4.1. South Africa Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

CHAPTER 7. AUTOMOTIVE RAIN SENSORS MARKET- COMPETITIVE LANDSCAPE

7.1. Recent Developments & Impact Analysis, By Key Market Participants

7.2. Company Categorization

7.3. Company Market Share/Position Analysis, 2023

7.4. Company Heat Map Analysis

7.5. Strategy Mapping

7.6. Company Profiles

7.6.1. HELLA GmbH & Co. KGaA

7.6.1.1. Participant's overview

7.6.1.2. Financial performance

7.6.1.3. Product benchmarking

7.6.1.4. Recent developments

7.6.2. MITSUBISHI MOTORS CORPORATION.

7.6.2.1. Participant's overview

7.6.2.2. Financial performance

7.6.2.3. Product benchmarking

7.6.2.4. Recent developments

7.6.3. Hamamatsu Photonics K.K.

7.6.3.1. Participant's overview

7.6.3.2. Financial performance

7.6.3.3. Product benchmarking

7.6.3.4. Recent developments

7.6.4. Valeo SA

7.6.4.1. Participant's overview

7.6.4.2. Financial performance

7.6.4.3. Product benchmarking

7.6.4.4. Recent developments

7.6.5. KOSTAL Automobil Elektrik GmbH & Co. KG

7.6.5.1. Participant's overview

7.6.5.2. Financial performance

7.6.5.3. Product benchmarking

7.6.5.4. Recent developments

7.6.6. DENSO ELECTRONICS CORPORATION

7.6.6.1. Participant's overview

7.6.6.2. Financial performance

7.6.6.3. Product benchmarking

7.6.6.4. Recent developments

7.6.7. TOYOTA MOTOR CORPORATION

7.6.7.1. Participant's overview

7.6.7.2. Financial performance

7.6.7.3. Product benchmarking

7.6.7.4. Recent developments

7.6.8. Ford Motor Company

7.6.8.1. Participant's overview

- 7.6.8.2. Financial performance
- 7.6.8.3. Product benchmarking
- 7.6.8.4. Recent developments
- 7.6.9. General Motors
 - 7.6.9.1. Participant's overview
 - 7.6.9.2. Financial performance
 - 7.6.9.3. Product benchmarking
 - 7.6.9.4. Recent developments
- 7.6.10. Volkswagen Group
 - 7.6.10.1. Participant's overview
 - 7.6.10.2. Financial performance
 - 7.6.10.3. Product benchmarking
 - 7.6.10.4. Recent developments
- 7.6.11. Daimler Truck AG.
 - 7.6.11.1. Participant's overview
 - 7.6.11.2. Financial performance
 - 7.6.11.3. Product benchmarking
 - 7.6.11.4. Recent developments
- 7.6.12. BMW AG
 - 7.6.12.1. Participant's overview
 - 7.6.12.2. Financial performance
 - 7.6.12.3. Product benchmarking
 - 7.6.12.4. Recent developments

List Of Tables

LIST OF TABLES

Table 1 List of Abbreviation

Table 2 Global Automotive Rain Sensor Market 2017 - 2030 (USD Million)

Table 3 Global Automotive Rain Sensor Market Estimates and Forecasts by Region, 2017 - 2030 (USD Million)

Table 4 Global Automotive Rain Sensor Market Estimates and Forecasts by Vehicle Type, 2017 - 2030 (USD Million)

Table 5 Global Automotive Rain Sensor Market Estimates and Forecasts by Sales Channel, 2017 - 2030 (USD Million)

Table 6 North America Automotive Rain Sensor Market by Region, 2017 - 2030 (USD Million)

Table 7 North America Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 8 North America Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 9 U.S.Automotive Rain Sensor market by Vehicle Type, 2017 - 2030 (USD Million)

Table 10 U.S.Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 11 Canada Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 12 CanadaAutomotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 13 Europe Automotive Rain Sensor Market by Region, 2017 - 2030 (USD Million)

Table 14 Europe Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 15 Europe Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 16 Germany Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 17 Germany Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 18 UK Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 19 UK Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Million)

Table 20 France Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 21 France Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 22 Asia pacific Automotive Rain Sensor Market by Region, 2017 - 2030 (USD Million)

Table 23 Asia pacific Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 24 Asia pacific Automotive Rain Sensor market by Sales Channel, 2017 - 2030 (USD Million)

Table 25 China Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 26 China Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 27 Japan Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 28 Japan Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 29 India Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 30 India Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 31 South Korea Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 32 South Korea Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 33 Australia Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 34 Australia Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 35 Latin America Automotive Rain Sensor Market by Region, 2017 - 2030 (USD Million)

Table 36 Latin America Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 37 Latin America Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 38 Brazil Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 39 Brazil Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 40 Mexico Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 41 Mexico Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 42 Middle East & Africa (MEA) Automotive Rain Sensor Market by Region, 2017 - 2030 (USD Million)

Table 43 Middle East & Africa (MEA) Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 44 Middle East & Africa (MEA) Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 45 Kingdom of Saudi Arabia (KSA) Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 46 Kingdom of Saudi Arabia (KSA) Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 47 UAE Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 48 UAE Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

Table 49 South Africa Automotive Rain Sensor Market by Vehicle Type, 2017 - 2030 (USD Million)

Table 50 South Africa Automotive Rain Sensor Market by Sales Channel, 2017 - 2030 (USD Million)

List Of Figures

LIST OF FIGURES

Fig. 1 Market Research Process

Fig. 2 Automotive Rain Sensor Market Segmentation

Fig. 3 Automotive Rain Sensor Market Landscape

Fig. 4 Information Procurement

Fig. 5 Data Analysis Models

Fig. 6 Market Formulation and Validation

Fig. 7 Data Validating & Publishing

Fig. 8 Market Snapshot

Fig. 9 Segment Snapshot (1/2)

Fig. 10 Segment Snapshot (2/2)

Fig. 11 Competitive Landscape Snapshot

Fig. 12 Automotive Rain Sensor Market: Industry Value Chain Analysis

Fig. 13 Automotive Rain Sensor Market: Market Dynamics

Fig. 14 Automotive Rain Sensor Market: PORTER's Analysis

Fig. 15 Automotive Rain Sensor Market: PESTEL Analysis

Fig. 16 Automotive Rain Sensor Market Share by Vehicle Type, 2023 & 2030 (USD Million)

Fig. 17 Automotive Rain Sensor Market, by Vehicle Type: Market Share, 2023 & 2030

Fig. 18 Passenger Vehicle Market Estimates & Forecasts, 2017 - 2030 (Revenue, USD Million)

Fig. 19 Commercial Vehicle Market Estimates & Forecasts, 2017 - 2030 (Revenue, USD Million)

Fig. 20 Automotive Rain Sensor Market Share by Sales Channel, 2023 & 2030 (USD Million)

Fig. 21 Automotive Rain Sensor Market, by Sales Channel: Market Share, 2023 & 2030

Fig. 22 OEM Market Estimates & Forecasts, 2017 - 2030 (Revenue, USD Million)

Fig. 23 Automotive Rain Sensor Market Revenue, by Region, 2023 & 2030 (USD Million)

Fig. 24 Regional Marketplace: Key Takeaways

Fig. 25 North America Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 26 U.S. Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 27 Canada Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030

(USD Million)

Fig. 28 Europe Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030

(USD Million)

Fig. 29 UK Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030

(USD Million)

Fig. 30 Germany Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 31 France Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 32 Asia Pacific Automotive Rain Sensor Market Estimates and Forecast, 2017 - 2030 (USD Million)

Fig. 33 China Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 34 Japan Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 35 India Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 36 South Korea Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 37 Australia Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 38 Latin America Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 39 Brazil Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 40 Mexico Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 41 MEA Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 42 Kingdom of Saudi Arabia (KSA) Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 43 UAE Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 44 South Africa Automotive Rain Sensor Market Estimates and Forecasts, 2017 - 2030 (USD Million)

Fig. 45 Key Company Categorization

Fig. 46 Company Market Positioning

Fig. 47 Strategic Framework

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