# Automotive Camera Cleaning System Market to hit USD 6861.32M by 2032, fuel by rising ADAS & autonomous driving adoption

*The Automotive Camera Cleaning System Market is driven by rising ADAS and autonomous driving adoption, emphasizing safety, efficiency, & visibility enhancement*

AUSTIN, TX, UNITED STATES, December 3, 2024 /EINPresswire.com/ -- Automotive Camera Cleaning System Market



Automotive-Camera-Cleaning-System-Market

The Automotive Camera Cleaning System Market was valued at USD 1243.30 Million in 2023 and is projected to reach USD 6861.32 Million by 2032, exhibiting a robust CAGR of 21.01% over the forecast period of 2024-2032.

Automotive Camera Cleaning System Market is Increasing Due to the Adoption of Cameras in Modern Vehicle Safety Systems.

> The Automotive Camera Cleaning System Market is expanding due to the growing adoption of ADAS, the rising use of cameras for autonomous driving, and the rising focus on vehicle safety and visibility"
>
> *SNS Insider*

In ADAS and self-driving cars, cameras play a prominent role as they serve to enhance safety, navigation, and monitoring features. However, these systems are prone to dirt, dust, rain, and snow and need an efficient cleaning solution that allows uninterrupted operation. Government regulations, like the National Highway Traffic Safety Administration (NHTSA) Regulations in the U.S., require that camera-based systems be periodically maintained and functioned, which is a significant driver of the market.

Advancements in technology have brought new systems featuring nozzles, sensors, and heated water that can autonomously detect and clean dirty camera lenses. This integration into other safety features, including radar and LiDAR, is the beginning of new opportunities in the market.

The major growth region remains North America due to the increase in ADAS adoption, followed by Asia Pacific, where the production of vehicles rises and the government initiates activities in terms of safety.

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Key Players Listed in Automotive Camera Cleaning System Market Are:

• Continental AG
• Valeo
• dlhBOWLES
• Kautex Textron GmbH
• Ficosa
• Magna International
• Bosch Mobility Solutions
• Denso Corporation
• Hella GmbH
• ZF Friedrichshafen AG
• Gentex Corporation
• MARELLI
• PPG Industries
• Waymo
• Tesla
• Hyundai Mobis
• Aptiv
• Autoliv Inc.
• Omron Corporation
• Panasonic Corporation

With Safety-Focused Technologies Proliferating in Vehicles, the Automotive Camera Cleaning System Market is growing.

The camera, however, has become an imperative component in ADAS and autonomous driving systems, yet due to its exposure to environmental contaminants, reliable cleaning solutions will be a must. These regulations compelling the vehicle safety of governments like NHTSA mandates in the U.S. have catalyzed further market development. Developments such as ProViu 360 Surround View and Clean Camera Assistant boost system capabilities and add abilities like automatic lens cleaning and integration with other technologies, including radar and LiDAR.

The rise in electric and autonomous vehicle production, particularly in North America and Asia Pacific, coupled with consumer demand for advanced safety features, underscores the market's growth potential. As automotive technology evolves, so will the need for robust cleaning

solutions to ensure camera functionality in all conditions.

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Automotive Camera Cleaning System Market Segment Analysis

By Sales Channels

The OEM segment accounted for the largest market share of 64% in 2023. OEMs are increasingly equipping new vehicles, especially premium and electric, with advanced camera cleaning systems as standard components. These embodiments cater to rising consumer demands for improved safety and also satisfy stringent regulatory norms. The ability to integrate camera cleaning systems smoothly into ADAS and autonomous driving technologies is an important reason for the OEM market dominance.

The Aftermarket segment, on the other hand, is expected to grow rapidly with a CAGR of 14.9% between 2024 and 2032. This growth occurs due to increasing awareness of safety maintenance requirements, the need to retrofit older vehicles with modern camera cleaning systems, and so on. Growing awareness of the need to maintain ADAS components in good condition will propel demand in the aftermarket, especially through owners of vehicles aiming to keep the safety requirement at an affordable level.

By Vehicle Types

Passenger Cars segment has led the Automotive Camera Cleaning System Market in 2023 with a total share of 63%. This is primarily due to the high volume of passenger vehicles in global production, especially in North America, Europe, and Asia Pacific regions, where ADAS features are becoming standard for new models. The rising adoption of electric and premium cars that are equipped with camera cleaning systems supports this trend.

Meanwhile, Light Commercial Vehicles (LCVs) segment is expected to growth with CAGR of 22.4% between 2024 and 2032. Urban delivery services, e-commerce expansion, and the increasing adoption of electric commercial fleets are driving demand for ADAS in LCVs. This shift underlines the need for camera cleaning systems to maintain optimal functionality in busy urban and last-mile delivery scenarios.

Automotive Camera Cleaning System Market Key Segmentation:

By Vehicle Type

• Heavy Commercial Vehicles
• Light Commercial Vehicles

• Passenger Cars

By Application

• Parking Camera
• Front Camera
• Night Vision Camera
• Interjection Camera
• CMS Camera
• Mirror Camera

By Nozzle Type

• Fixed Nozzle
• Telescoping Nozzle
• Nano Nozzle

By Sales Channel

• OEM
• Aftermarkets

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Regional Analysis:

In 2023, the North American region held the largest share of 38% of the Automotive Camera Cleaning System Market, with the U.S. leading advancements in ADAS and autonomous driving technologies. The region's strong automotive technology ecosystem, coupled with consumer demand for cutting-edge safety features, underpins its market leadership.

The Asia Pacific region is expected to grow the fastest, with a CAGR of 24.0% during 2024-2032. The growth in the production of vehicles in China, India, and Japan, coupled with government safety initiatives and the increase in electric and autonomous vehicle adoption, are driving the Automotive Camera Cleaning System Market expansion in this region.

Recent Developments

January 2024: Valeo collaborated with Teledyne FLIR to upgrade ADAS with thermal imaging cameras, thereby improving road safety.

January 2024: Gentex Corporation acquires eSight to expand its electro-optical offering and enhance driver vision with an emphasis on connected car technologies.

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