

Asia-Pacific Advanced Driver Assistance System (ADAS) Market by System (Tire Pressure Monitoring, Drowsiness Monitor, Intelligent Parking Assist, Adaptive Cruise Control, Blind Spot Object Detection, Lane Departure Warning, Adaptive Front-Lighting, Night Vision, Driver Monitoring) and Sensor (Ultrasonic, Infrared(IR), Radar, Image, LiDAR, LASER) - Opportunity Analysis and Industry Forecast, 2014 - 2020

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Abstracts

Advanced driver assistance systems (ADAS) facilitate the driver in identifying hazardous road conditions thereby improving the driving experience with enhanced safety. The implementation of ADAS systems on different vehicles can significantly reduce the number of road accidents and severity of injuries. Different sensors such as ultrasonic, image, RADAR, LiDAR, infrared and LASER provide enhanced features including parking assistance, lane departure warning, tire pressure monitoring, adaptive cruise control, blind spot detection, drowsiness monitoring and night vision. The ongoing technological developments have resulted in expanding ADAS beyond high-end vehicles into high-volume mainstream implementations. Products offered from upstream manufacturers (software & components) are differentiated owing to the specificity of the requirements that depend on the applications. Stringent government regulations in Asia-Pacific countries leads to higher adoption of ADAS systems. Huge installation cost and complexity in testing ADAS systems are restraining the market growth. In addition, the incorporation of ADAS systems in mid-range and low-range vehicles and increasing electronic integration within vehicles would create numerous opportunities for the market in near future.

Asia-Pacific advanced driver assistance systems market is segmented based on component and country. The component segment is further bifurcated into type of system and type of sensor. Adaptive cruise control, lane departure warning system, park assist, blind spot detection system, adaptive front lighting system, tire pressure monitoring system, drowsiness monitor system and night vision systems have been considered under system type. Amongst these, tire pressure monitoring systems exhibit highest growth and is expected to grow at a promising CAGR of 38.84% during the forecast period (2015-2020). Adaptive front lighting system dominates the ADAS market while constituting a revenue share of around 25.8% in the year 2014. Different sensors used in advanced driver assistance systems market include ultrasonic sensors, radar sensors, LIDAR sensors, infrared sensors, image sensors and laser sensors. Key automotive production countries namely Japan, India and South Korea have also been forecast to register a significant growth in demand for advanced driver assistance systems.

Key players in APAC advanced driving assistance system market are Valeo, Hitachi Ltd., Robert Bosch GmbH, Continental AG, Toyota Motor Corporation, Denso Corporation, Audi AG, BMW AG, Ford Motors and General Motors (GM).

POTENTIAL BENEFITS FOR STAKEHOLDERS

The report identifies the key drivers, opportunities and restraints which shape the market and provides an impact analysis for the forecast period

Porters five forces analysis provides a clear idea regarding the potency of the buyers and the suppliers participating in this market

Current and future trends are outlined to determine the overall attractiveness of the market and to single out profitable trends in order to gain a stronger foothold in the market

The report provides detailed analysis of Asia-Pacific ADAS market with respect to system type, sensor type and country to enable stakeholders take precise investment decisions

Advanced Driver Assistance System (ADAS) MARKET KEY SEGMENTS

The market is segmented on the basis of component and country.

MARKET BY COMPONENT

By System Type

Tire Pressure Monitoring System (TPMS)

Drowsiness Monitor System

Intelligent Parking Assist System (IPAS)

Adaptive Cruise Control System

Blind Spot Object Detection System

Lane Departure Warning System

Adaptive Front-Lighting System

Others

Night Vision System

Driver Monitoring System

By Sensor Type

Ultrasonic Sensor

Infrared(IR) Sensor

Radar Sensor

Image Sensor

LiDAR Sensor

LASER Sensor

MARKET BY COUNTRY

China

Japan

India

South Korea

RO-APAC (Rest of Asia-Pacific)

Singapore

Australia

Thailand

KEY PLAYERS

Valeo

Robert Bosch GmbH

Hitachi Ltd.

Continental AG

Denso Corporation

Audi AG

BMW AG

Toyota Motor Corporation

Ford Motors

General Motors (GM)

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