

Automotive Hill Descent Control Market: Global Industry Trends, Share, Size, Growth, Opportunity and Forecast 2023-2028

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Abstracts

The global automotive hill descent control market size reached 2.2 Million Units in 2022. Looking forward, IMARC Group expects the market to reach 3.3 Million Units by 2028, exhibiting a growth rate (CAGR) of 7.0% during 2022-2028.

Automotive hill descent control (HDC) refers to a driver assistance system that enables the vehicle to descend on a slope at a controlled speed. It is designed as a safety feature to assist in driving through steep terrains using the vehicle's cruise control system. It operates along with anti-lock braking (ABS) and a traction control mechanism to independently manage the speed of the vehicle and maximize the grip on each wheel. Automobile manufacturers are providing HDC with electrical stability control (ESC) systems and ABS for providing predictive cruise control and improving the overall fuel efficiency. They also enable the driver to maintain a pre-determined safe speed and emphasizes on identifying potential hazards.

Significant growth in the automotive industry and the widespread adoption of global positioning system (GPS)-assisted cruise control with HDC systems, are the key factors creating a positive outlook for the market. Furthermore, the integration of autonomous terrain profiling and driving systems in modern automobiles is stimulating the market growth. Innovative technologies, such as 3D path sensing, overhead clearance assistance and terrain-based speed adaptation systems, are widely used in passenger and commercial vehicles. Additionally, various technological advancements, such as the advent of connected all-terrain driving systems, are acting as other growth-inducing factors. A number of connected driving systems use dedicated short-range communications (DSRC) for vehicle-to-vehicle short or medium-range wireless communications. Other factors, such as rising expenditure capacities of the masses, along with the growing demand for luxury and semi-utility vehicles (SUVs), are anticipated to drive the market further.

Key Market Segmentation:

IMARC Group provides an analysis of the key trends in each segment of the global automotive hill descent control market report, along with forecasts at the global, regional and country levels from 2023-2028. Our report has categorized the market based on component and vehicle type.

Breakup by Component:

- Sensors
 - Wheel Sensors
 - Torque Sensors
 - Angle Sensors
 - Pressure Sensors
- Actuators
- Electronic Control Unit

Breakup by Vehicle Type:

- Passenger Vehicle
- Light Commercial Vehicle
- Heavy Commercial Vehicle

Breakup by Region:

- North America
 - United States
 - Canada
- Asia Pacific
 - China
 - Japan
 - India
 - South Korea
 - Australia
 - Indonesia
 - Others
- Europe
 - Germany
 - France
 - United Kingdom
 - Italy
 - Spain
 - Russia
 - Others
- Latin America
 - Brazil

Mexico

Others

Middle East and Africa

Competitive Landscape:

The report has also analysed the competitive landscape of the market with some of the key players being Continental AG, Borg Warner Inc., Hyundai Mobis, Co., Ltd., Murata Manufacturing Co., Ltd., Robert Bosch GmbH, WABCO Holdings Inc. and ZF Friedrichshafen AG.

Key Questions Answered in This Report:

How has the global automotive hill descent control market performed so far and how will it perform in the coming years?

What has been the impact of COVID-19 on the global automotive hill descent control market?

What are the key regional markets?

What is the breakup of the market based on the component?

What is the breakup of the market based on the vehicle type?

What are the various stages in the value chain of the industry?

What are the key driving factors and challenges in the industry?

What is the structure of the global automotive hill descent control market and who are the key players?

What is the degree of competition in the industry?

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