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Automotive Commercial Vehicles Emergency Braking System Market – Global Industry Size, Share, Trends, Opportunity, and Forecast, Segmented By Sensor Type (Camera, Lidar, Radar), By Technology (Forward Collision warning, Dynamic brake support, Crash imminent braking), By Region & Competition, 2021-2031F

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Abstracts

The Global Automotive Commercial Vehicles Emergency Braking System Market will grow from USD 18.51 Billion in 2025 to USD 33.93 Billion by 2031 at a 10.63% CAGR. The Global Automotive Commercial Vehicles Emergency Braking System Market encompasses the development and integration of autonomous safety technologies designed to monitor the road environment and automatically engage braking mechanisms when a collision is imminent.

Key Market Drivers

The implementation of stringent government regulations acts as the primary catalyst for the widespread adoption of emergency braking systems in commercial vehicles. Regulatory bodies worldwide are transitioning from voluntary safety guidelines to compulsory equipment standards, ensuring that advanced driver assistance systems (ADAS) become ubiquitous across heavy transport sectors. A pivotal development in this landscape is the enforcement of mandates such as the European Union's General Safety Regulation (GSR), which compels original equipment manufacturers (OEMs) to standardize active safety technologies regardless of fleet purchasing preferences.

Key Market Challenges

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The slow rate of fleet renewal presents a substantial barrier to the expansion of the Global Automotive Commercial Vehicles Emergency Braking System Market. Advanced braking technologies rely heavily on modern electronic architectures and sensor fusion capabilities that are integral to new vehicle platforms. Retrofitting these complex systems onto legacy heavy-duty trucks is often technically unfeasible or financially prohibitive, meaning that market growth is inextricably linked to the production and sale of new units rather than aftermarket upgrades.

Key Market Trends

The Incorporation of Pedestrian and Cyclist Detection Capabilities represents a critical technological evolution in the market, shifting the focus of emergency braking systems from vehicle-to-vehicle interactions to the protection of vulnerable road users (VRUs). Manufacturers are increasingly integrating wide-angle radars and high-fidelity cameras into heavy-duty platforms to identify soft targets in blind spots and complex urban environments, a development heavily incentivized by updated safety assessment protocols that now weight VRU mitigation.

Key Market Players

Robert Bosch GmbH

Continental AG

ZF Friedrichshafen AG

Delphi Technologies

Hyundai Mobis Co., Ltd.

Aisin Seiki Co., Ltd.

Hitachi Automotive Systems Ltd.

Mando Corporation

Valeo S.A.

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Knorr-Bremse AG

Report Scope:

In this report, the Global Automotive Commercial Vehicles Emergency Braking System Market has been segmented into the following categories, in addition to the industry trends which have also been detailed below:

Automotive Commercial Vehicles Emergency Braking System Market, By Sensor Type:

Camera

Lidar

Radar

Automotive Commercial Vehicles Emergency Braking System Market, By Technology:

Forward Collision warning

Dynamic brake support

Crash imminent braking

Automotive Commercial Vehicles Emergency Braking System Market, By Region:

North America

United States

Canada

Mexico

Europe

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- France
- United Kingdom
- Italy
- Germany
- Spain

Asia Pacific

- China
- India
- Japan
- Australia
- South Korea

South America

- Brazil
- Argentina
- Colombia

Middle East & Africa

- South Africa
- Saudi Arabia
- UAE

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Competitive Landscape

Company Profiles: Detailed analysis of the major companies present in the Global Automotive Commercial Vehicles Emergency Braking System Market.

Available Customizations:

Global Automotive Commercial Vehicles Emergency Braking System Market report with the given market data, TechSci Research offers customizations according to a company's specific needs. The following customization options are available for the report:

Company Information

Detailed analysis and profiling of additional market players (up to five).

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