

Automatic Emergency Braking Market Size, Share & Trends Analysis Report By Product (Low-speed, High-speed), By Technology (Crash Imminent Braking), By Brake (Disc), By Vehicle, By Region, And Segment Forecasts, 2025 - 2030

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Abstracts

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Automatic Emergency Braking Market Growth & Trends

The global automatic emergency braking market size is expected to reach USD 105.4 billion by 2030, registering growth at a CAGR of 7.3% from 2025 to 2030 according to a new report by Grand View Research, Inc. Forward collision warning systems rely on the driver's discretion to successfully avoid the collision and, in some cases, automatically brake the vehicle if the driver fails to do so. AEB systems would reduce the number of crashes and help in improving traffic safety.

The incorporation of motion sensors into motor vehicles enable the monitoring of the driver's attentiveness, which helps to prevent road accidents and augments the safety and security needs of people. Sensors with attached AEBs, wireless connectivity, predictive analytics, and context aware algorithms enable the evolution of smart automobile that are capable of making autonomous and intelligent decisions.

Collision avoidance sensors significantly reduce the number of fatalities caused due to road accidents, which not only benefits the car occupants but also pedestrians, cyclists, and other vehicle occupants. Technological advancements and R&D are expected to provide cost-effective solutions for the automotive LiDAR technology, which, at present, is bulky and extremely expensive for automotive applications.

The AEB systems market is poised for a sharp growth in the years to come, owing to the surge in efforts toward the development of fully autonomous cars. Self-driving vehicles operate with the help of onboard computers that are fed data through an array of sensors. The mass production and consumer adoption of autonomous self-driving vehicles may offer a significant growth opportunity for the AEB systems market.

Automatic Emergency Braking Market Report Highlights

The low-speed AEBS segment accounted for 54.5% of the total revenue generated in the global automatic emergency braking market in 2024, attributed to the increasing adoption of AEBS in urban environments, where low-speed collisions are more common.

The Forward Collision Warning (FCW) segment dominated the global automatic emergency braking market with a revenue share of 36.8% in 2024, owing to its widespread adoption and effectiveness in enhancing vehicle safety. FCW systems use sensors, cameras, and radar to monitor the road ahead and detect potential collisions.

The disc segment emerged as the largest contributor to revenue in 2024, primarily due to its superior performance in emergency situations. Disc brakes offer rapid heat dissipation, which enhances braking efficiency and reduces stopping distances, making them an attractive option for manufacturers aiming to improve vehicle safety standards.

The passenger vehicle segment dominated the global automatic emergency braking market in 2024, driven by heightened consumer awareness and stringent safety regulations. Automakers are increasingly integrating AEB systems as part of advanced driver assistance systems (ADAS), responding to rising demands for enhanced safety features.

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