

DENSO

Safety

Sensing System

Improved protection for you and your vehicle with sensors that detect surrounding conditions

Safety systems, such as the pre-crash safety system and lane keeping assist system, help the vehicle safe upon detecting the risk of an accident and minimize damage in the case of a collision. The key features of these systems are the “eyes” of the vehicle: sensors which monitor the surroundings and their signal processing systems.

Millimeter-wave radar sensors, for instance, continuously measure the distance and relative speed to the vehicle ahead to avoid the risk of a collision. Vision sensors monitor the white lane markings to detect when the vehicle is about to cross either of the lane boundaries, perhaps because the driver has taken his/her eyes off the road or is driving carelessly.

In addition to developing millimeter-wave, vision and other types of sensors, DENSO flexibly combines the advantages of each sensor and commercializes sophisticated sensing systems for more reliable measurement results and improved vehicle safety.