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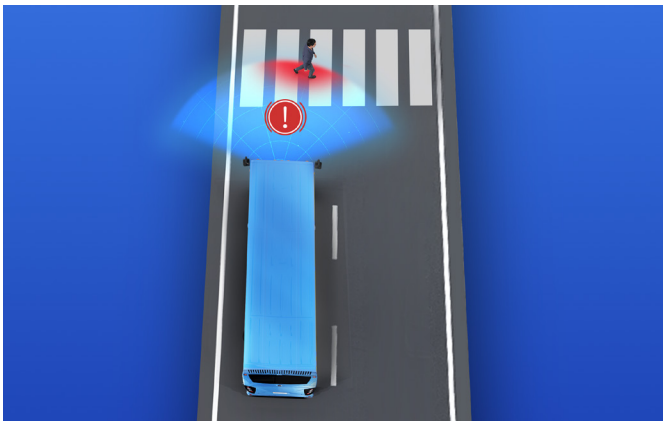
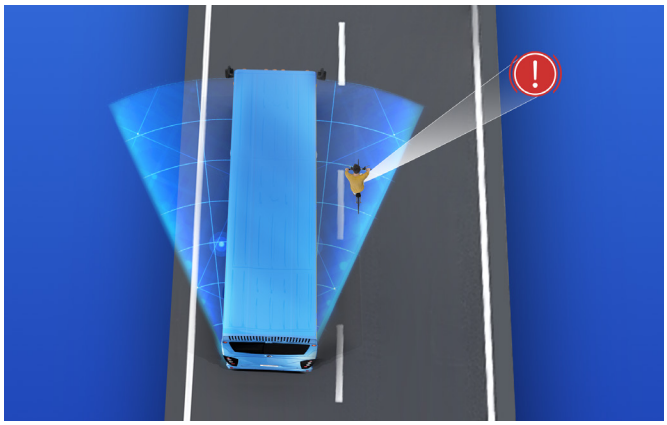
GENERAL SAFETY REGULATION



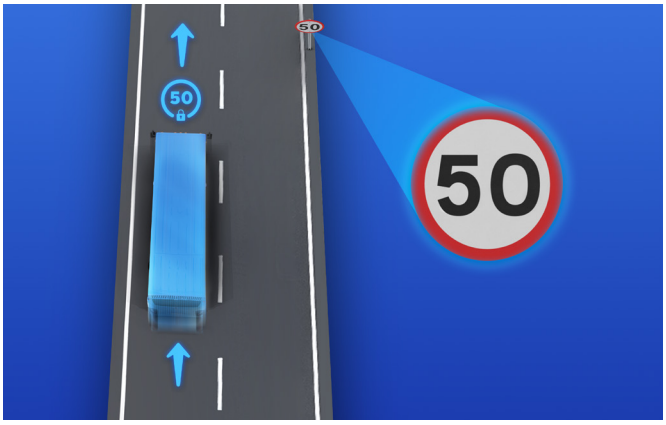
PEDESTRIAN AND CYCLIST COLLISION WARNING (MOIS)

The integration of high-resolution cameras in modern vehicles significantly enhances driving safety. By providing an extended field of vision, these cameras empower drivers to detect pedestrians, cyclists, and other road users.



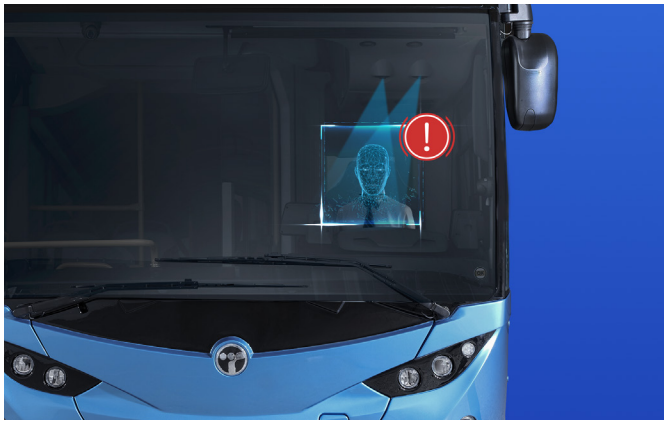
BLIND SPOT INFORMATION SYSTEM (BSIS)

Cameras placed on the sides of the vehicle effectively eliminate blind spots and detect cyclists and pedestrians at these points, reducing the risk of accidents. These cameras ensure the safety of cyclists and pedestrians by visually warning the driver when any risk occurs.



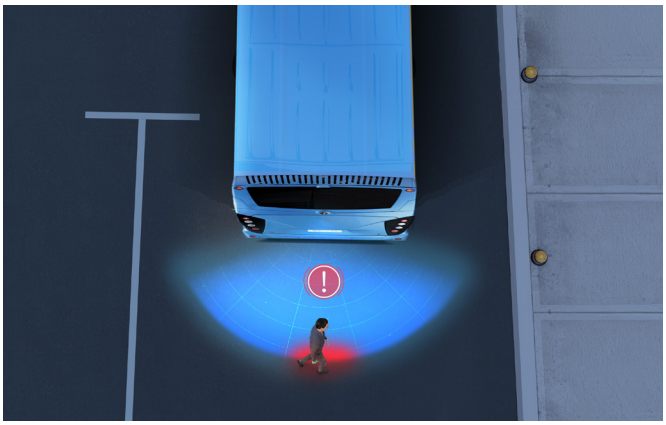
INTELLIGENT SPEED ASSISTANCE (ISA)

By utilizing camera and GPS technology, it continuously monitors the vehicle's speed in alignment with prevailing traffic regulations. The system recognize road signs relevant to the bus's direction andprovides optimal safety and driving comfort.



DRIVER DROWSINESS AND ATTENTION WARNING (DDAW)

The system enhances road safety by proactively preventing microsleep, particularly during extended journeys and nighttime driving. The driver's vigilance is continuously monitored and measured by the Karolinska Sleepiness Scale. When it identifies common signs of fatigue or lack of focus, it promptly advises the driver to take a break.

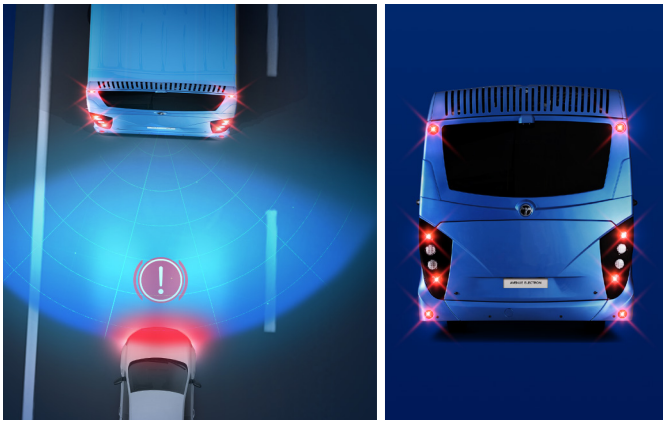


REVERSING INFORMATION SYSTEM (REIS)

This camera or ultrasonic sensors system actively monitors the vehicle's rear using ultrasound sensors. The control unit oversees passive ultrasonic sensors, sending signals to specific zones and receiving echoes bounced back from obstacles. When an obstacle is detected in the rear zone of the vehicle, the driver is promptly alerted.

TYRE PRESSURE MONITORING SYSTEM (TPMS)

This system ensures maximum road comfort by warning the driver when the tire pressure decreases by 20%.



EMERGENCY STOP SIGNAL (ESS)

The emergency stop signal warns the driver behind by flashing the brake lights during sudden and strong braking and prevents a possible collision.

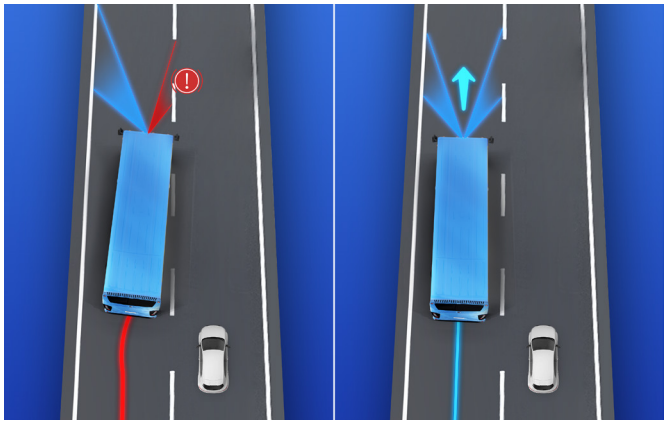
ALCOHOL INTERLOCK

An alcohol interlock system prevents starting a vehicle if the driver has consumed alcohol. It uses a breathalyzer before ignition, adhering to safety standards.

R155 (CYBER SECURITY)

By ensuring cyber security of the components inside the vehicle, information confidentiality is protected and provides effective protection against an external attack and in-vehicle information security.

EK GÜVENLİK ÖNLEMLERİ



LANE DEPARTURE WARNING SYSTEM (LDWS)

The camera located at the front ensures the stability of the lane markings and provides accurate measurements even in low lighting conditions. Thanks to the calibration of the camera, an alarm is triggered if the vehicle unintentionally loses lane keeping and ensures the safety with real-time lane lines detection by warning driver to return to lane.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