

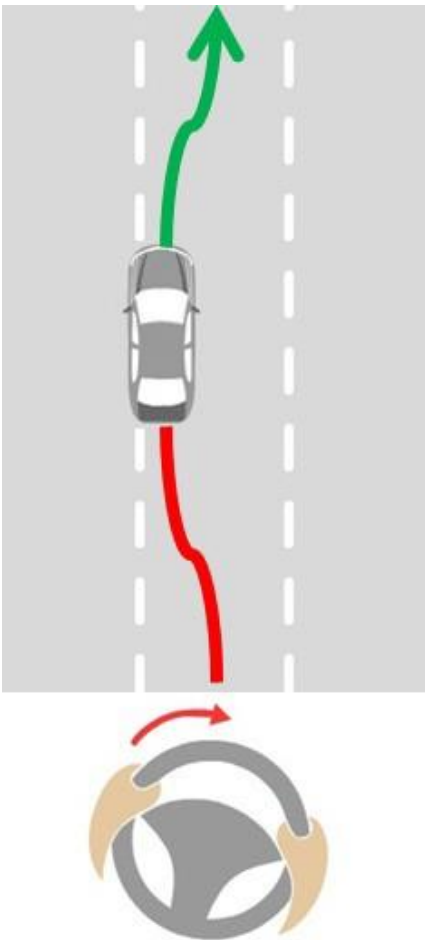
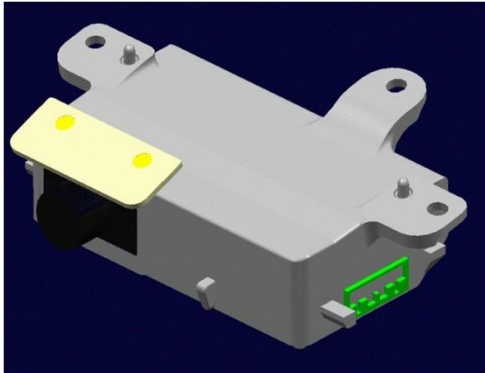


Vision Technology

Camera based detection technology combining all hardware and processing into one compact unit.

Monocular Camera

By integrating the camera and ECU into 1 box we are able to conserve weight and space. This combined with its compact size makes Elesys camera technology easy to configure to any vehicle. By utilizing our own proprietary software and algorithms, this unit provides high performance while maintaining a competitive price with the market.



Lane Keeping Assist

The Elesys Lane Keeping Assist System, or LKAS, integrates our monocular camera technology with our Electronic Power Steering (EPS) ECU for a complete system. The system works by visually detecting the lines in the road. When the camera senses the vehicle drifting toward a lane marker without the use of the indicator, the system will notify the driver with an audible, visual, or haptic response. Unlike Lane Departure Warning systems that only warn the driver, LKAS goes a step further by using EPS to apply steering torque to gradually bring the vehicle back into the center of the lane.

Other Vision Applications

- Pedestrian Detection
- Lane Departure Warning
- Traffic Sign Recognition
- Forward Collision Warning
- Automatic Emergency Braking
- Automatic Following System



Specifications

- Dimensions: 70x55x18(mm)
- Resolution: WVGA (720 x 400)
- Detection Range: 120m

General inquiries

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