



For Technology, Quality & Value

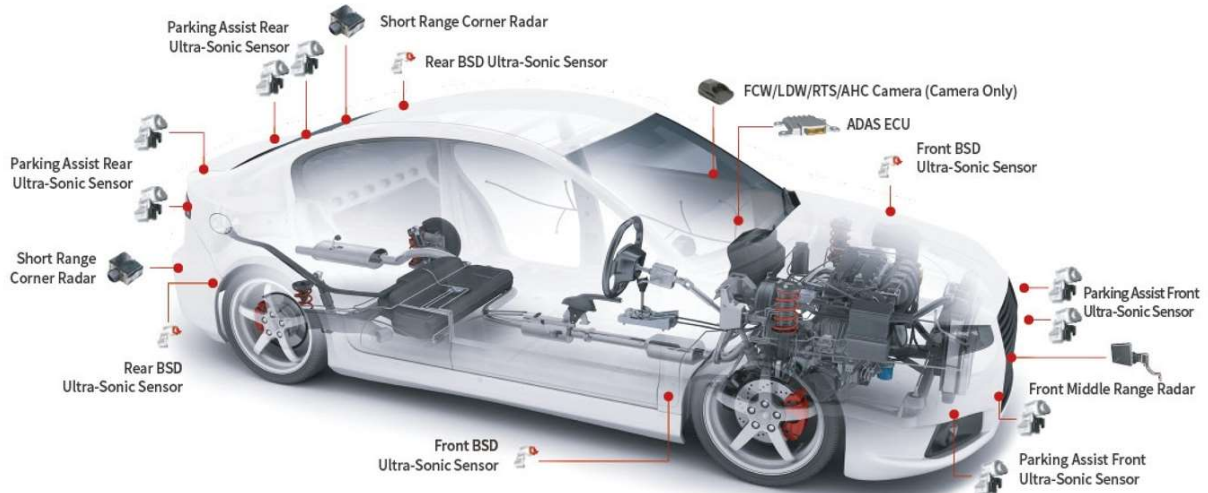
ADAS

- Integrated ADAS System Sensor Configuration
- ERAE LV2&LV3 Sensor Mapping Strategy
- Proposed Control Function Flow diagrams
- Integrated ADAS ECU Systems



Integrated ADAS System Sensor Configuration

- ERAE ADAS system can provide various functions required by customers according to the application of various sensors



ADAS Sensor Configuration

ERAE LV2&LV3 Sensor Mapping Strategy

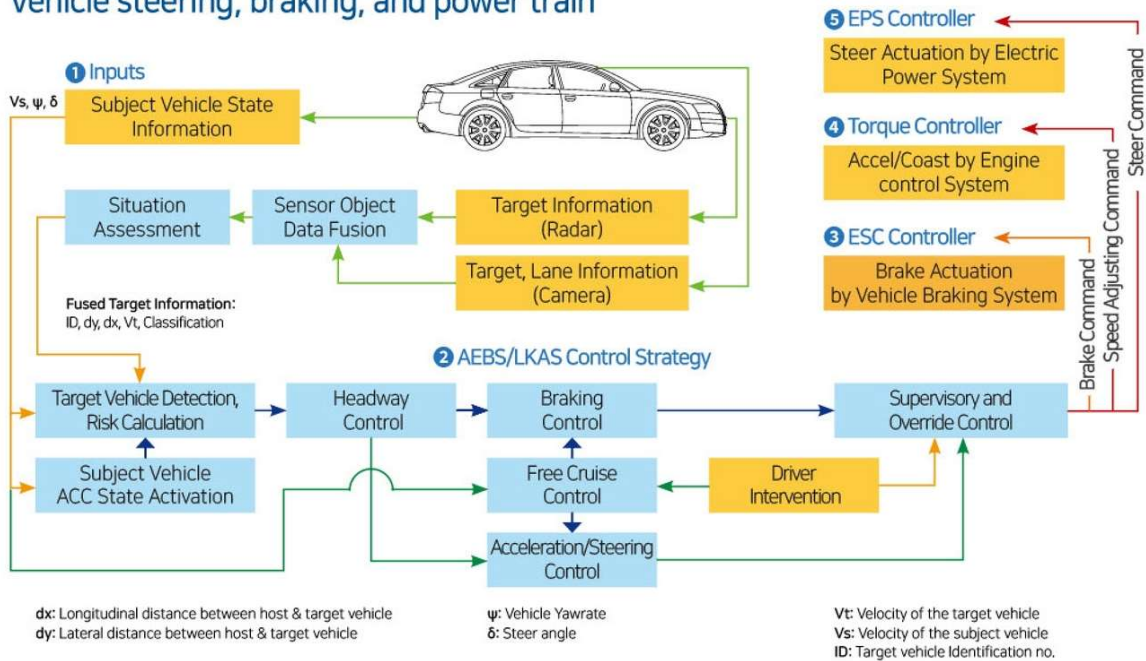
- ERAE ADAS provides various functions, from passive ADAS such as lane departure warning and forward collision warning to active ADAS functions of AEB, ACC, and HAD

	LV2		LV3
System	Cost Effective	Function Effective	HAD (Highway Autonomous driving)
Main Function	LDW FCW LKAS AEB/BSL	ACC/AEB/LKAS RCTA//DOW AHB/BSL/RTD/ISA	HAD (HWP + TJP) SDS (Surround detection System) Rear AEB RCTA/FCTA/DOW BSL Remote parking (Free Parking Slot Detection)
Main Sensors			
Figure			

Proposed Control Function Flow diagrams

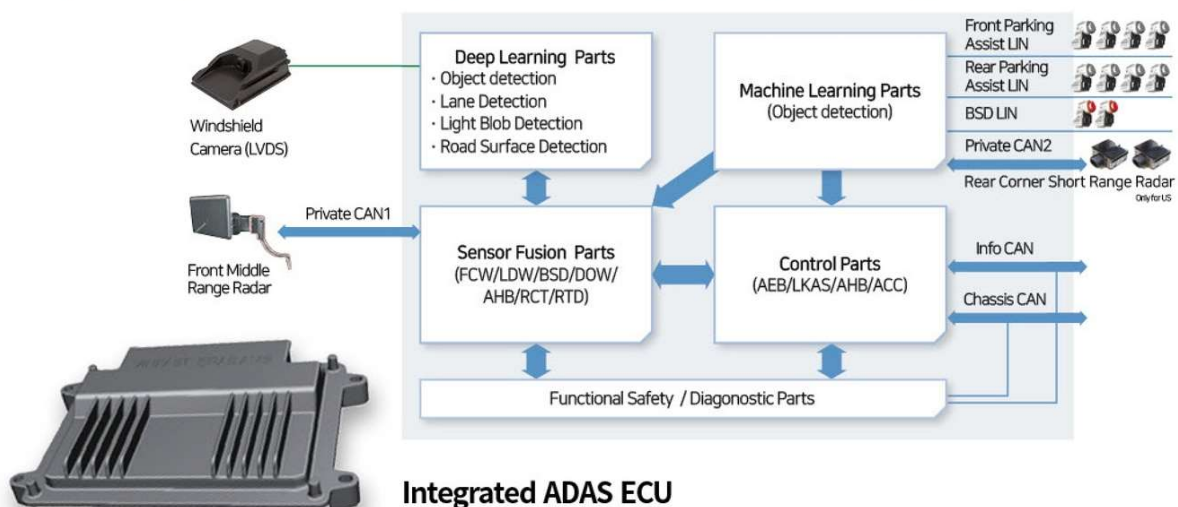
■ AEB/LKAS Owned
■ Vehicle Owned

- Functions such as AEB and ACC can be realized through cooperative control with EPS, ESC, and Engine Controller, which are ERAE's own technologies that control vehicle steering, braking, and power train



Integrated ADAS ECU Systems

- Advanced Deep Learning is applied to ADAS ECU to perform image recognition and object recognition, and the recognition rate is improved by introducing Sensor Fusion



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Start with ERAE AMS**