www.hansaemobility.com

e-book Brochure

For
Technology, Quality & Value

ADAS

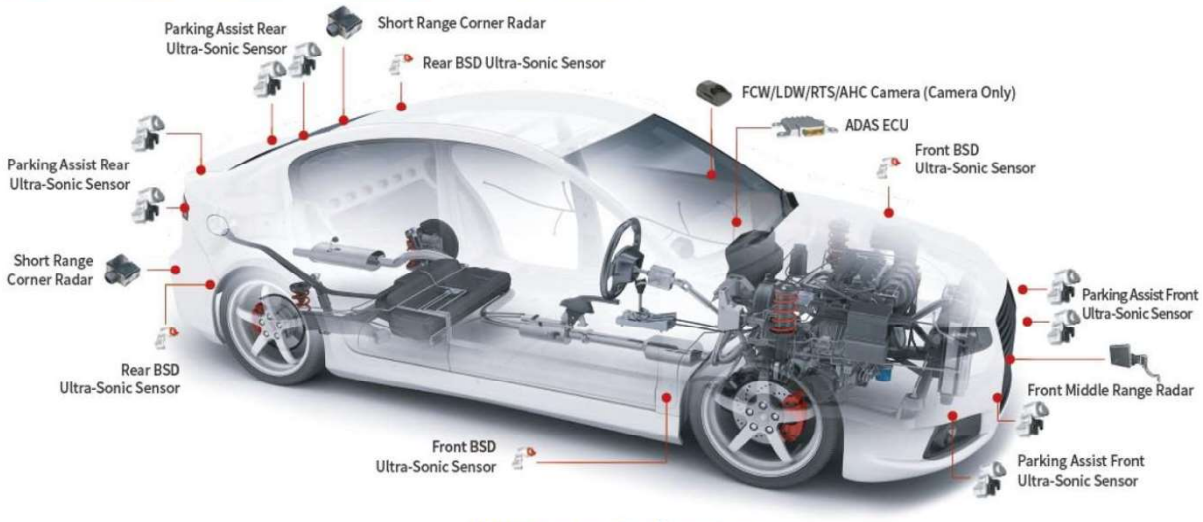
- Integrated ADAS System Sensor Configuration
- Hansae LV2&LV3 Sensor Mapping Strategy
- Proposed Control Function Flow diagrams
- Integrated ADAS ECU Systems

HANSAE
MOBILITY

HANSAE MOBILITY

Integrated ADAS System Sensor Configuration

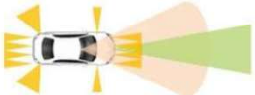
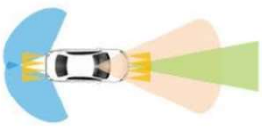
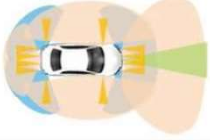
- Hansae ADAS system can provide various functions required by customers according to the application of various sensors



ADAS Sensor Configuration

Hansae LV2&LV3 Sensor Mapping Strategy

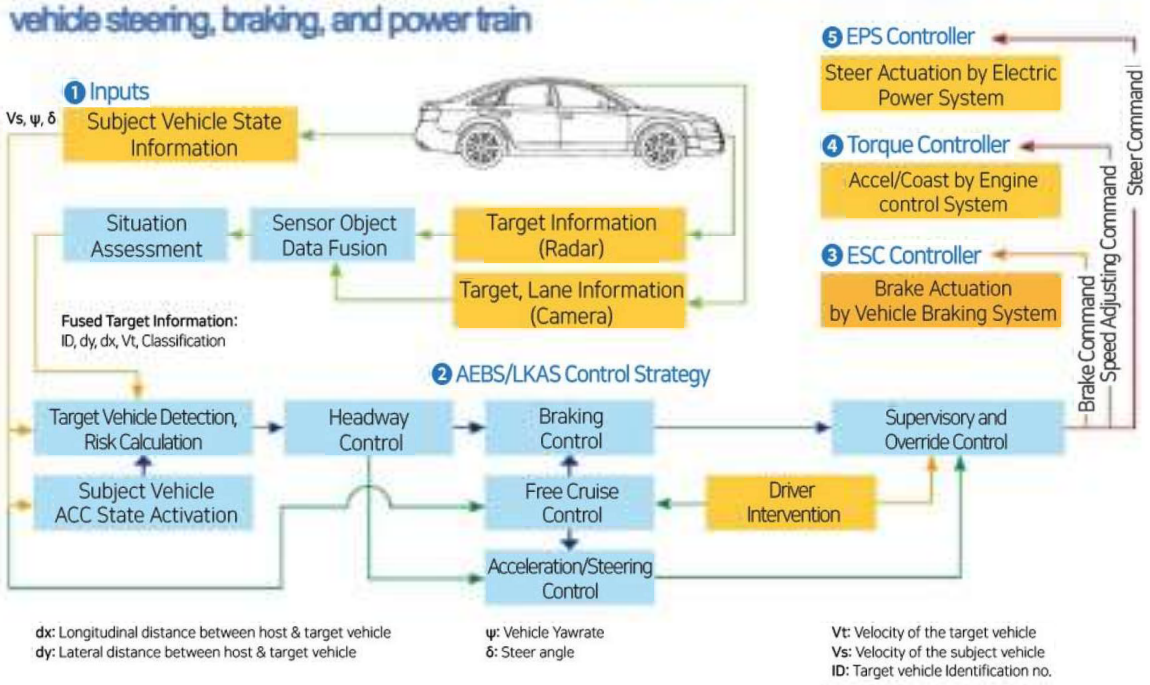
- Hansae ADAS provides various functions, from passive ADAS such as lane departure warning and forward collision warning to active ADAS functions of AEB, ACC, and HAD

	LV2		LV3
System	Cost Effective	Function Effective	HAD (Highway Autonomous driving)
Main Function	LDW FCW LKAS AEBBSD	ACC/AEB/LKAS RCTA//DOW AHB/BSD/RTD/ISA	HAD (HWP + TJP) SDS (Surround detection System) Rear AEB RCTA/FCTA/DOW BSD 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 Hansae's own technologies that control vehicle steering, braking, and power train



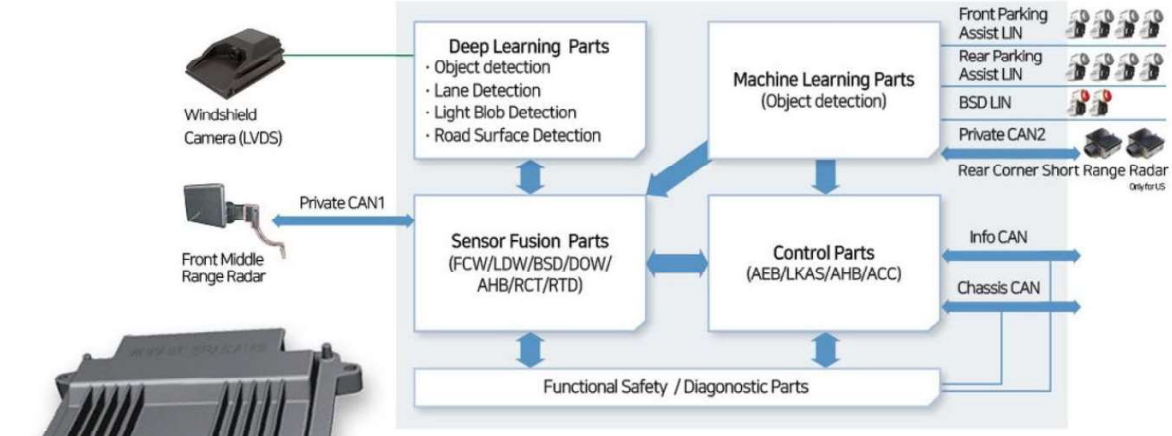
dx: Longitudinal distance between host & target vehicle
dy: Lateral distance between host & target vehicle

ψ: Vehicle Yawrate
δ: Steer angle

Vt: Velocity of the target vehicle
Vs: Velocity of the subject vehicle
ID: Target vehicle Identification no.

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



Integrated ADAS ECU

HANSAE MOBILITY

www.hansaemobility.com

Contact Point

T. +82 10 2874 9189 E. hocheol.son@hansaemobility.com
T. +82 10 5208 5449 E. heekook.choi@hansaemobility.com

For Technoligy,
Quality & Value
Start with Hansae Mobility