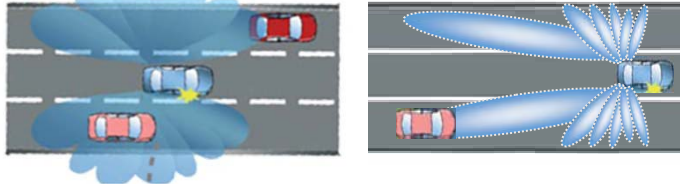
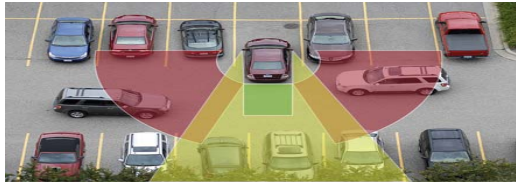
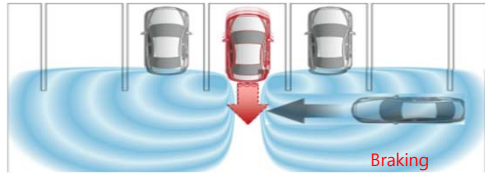
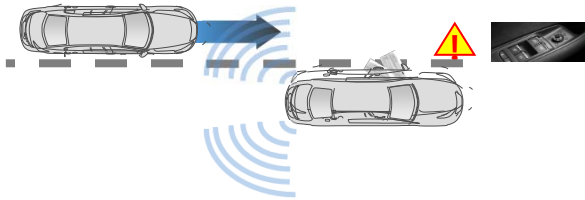


[Radar SRR30] System Overview

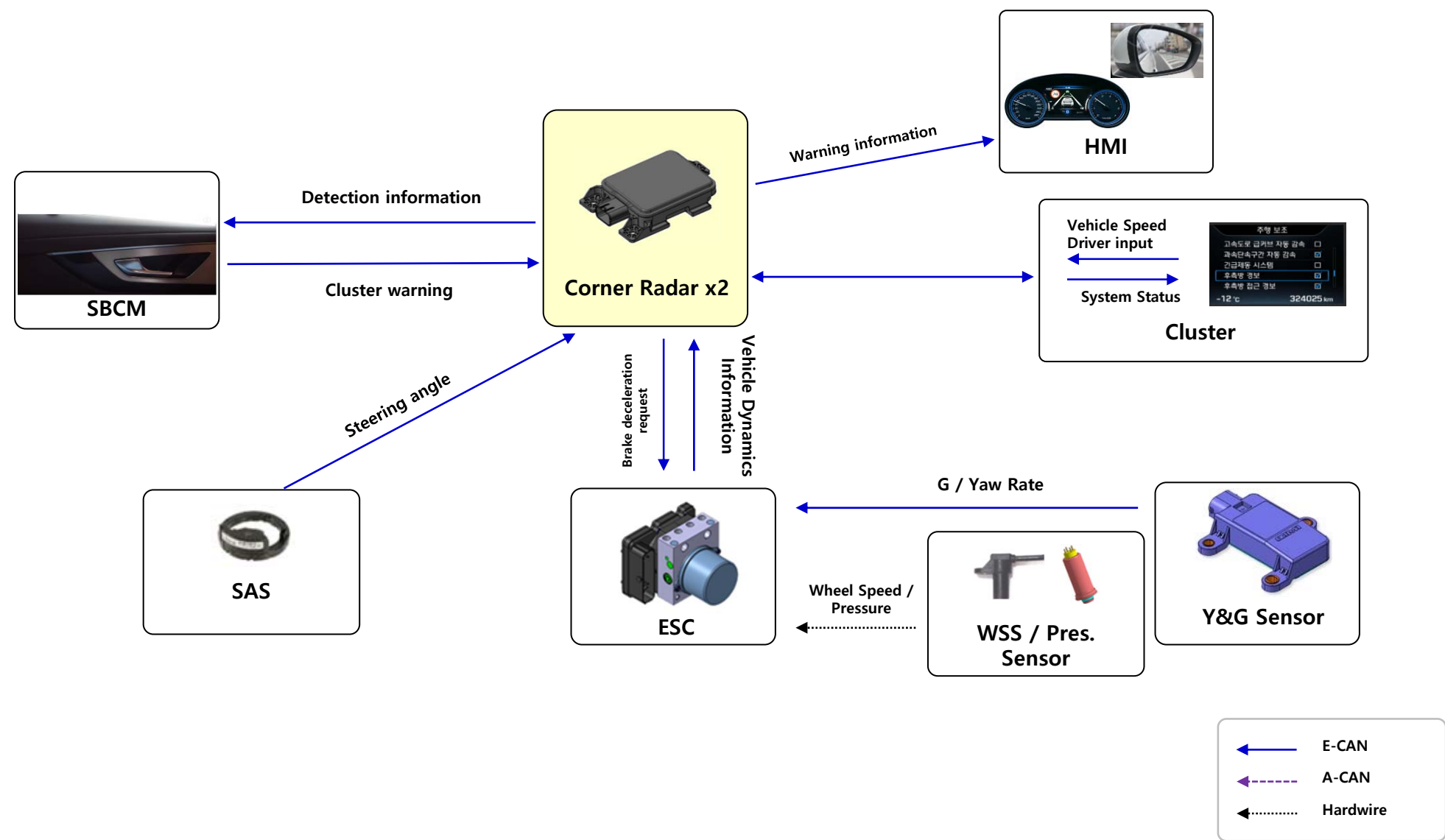


Functions of Rear Corner Radar System

Function	Figure	Description
BCW Blind-Spot Collision Warning		BSD : Alert for vehicle or object in the blind areas LCA : Alert for high-speed access vehicle in the rear of the ego vehicle
RCCW Rear Cross-Traffic Collision Warning		Alert for rear crossing vehicle when the vehicle is backward
RCCA Rear Cross-Traffic Collision Avoidance Assist		Braking function of collision avoidance for rear crossing vehicle
SEA Safe Exit Assist		Alert for vehicles approaching from the rear when the driver or passenger gets off the vehicle

- Each function can be turned ON/OFF through USM operation, and when the ignition is OFF→ON, the previous state is memorized and returned to the previous state.
- When the first vehicle is produced, all functions are in default ON state.

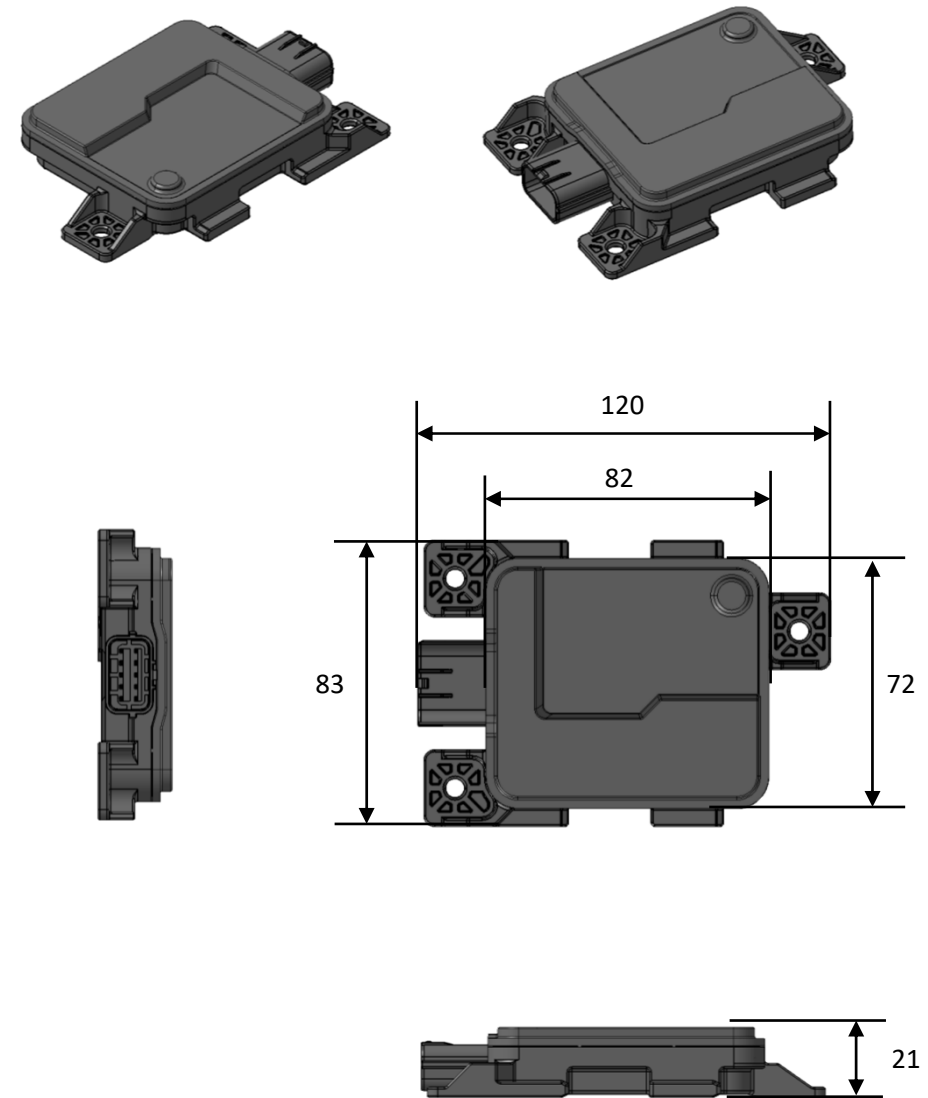
System Configuration



Radar Sensor Specification

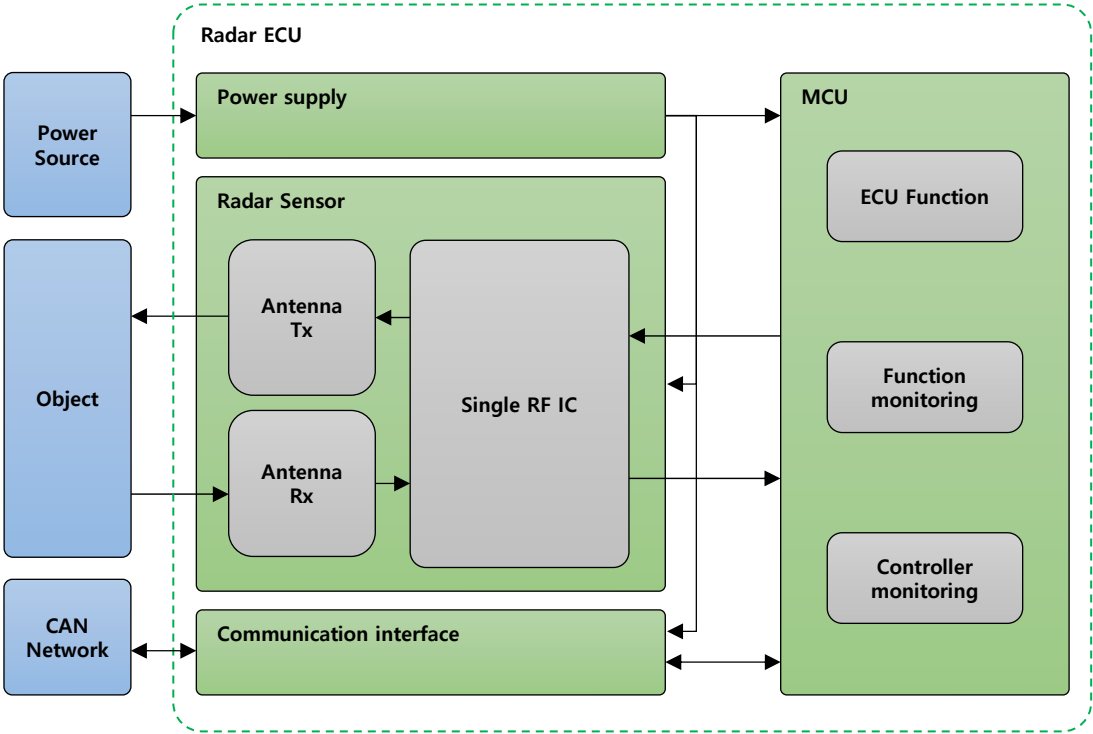
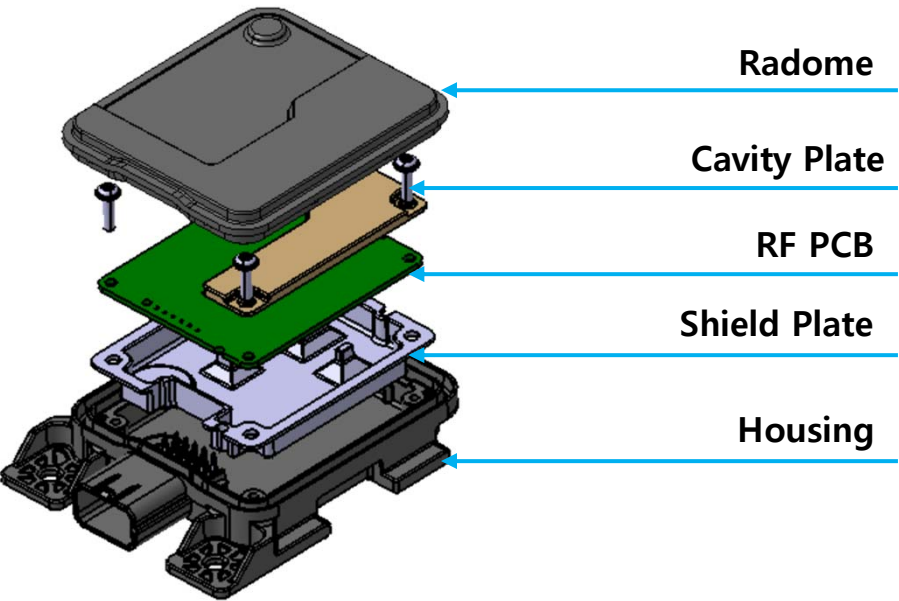
❖ Specification

List		SRR-30S
Frequency (GHz)		76 ~ 77
Operating Velocity (kph)		0 ~ 200
Detection Range (m)		0.3 ~ 80
FOV (deg)	Azimuth	± 75
	Elevation	± 6
Relative Velocity (kph)		-200 ~ 200
Calibration (deg)	EOL alignment	$< \pm 5.0$ (Azimuth)
	Auto-alignment	$< \pm 5.0$ (Azimuth)
Number of Antennas		2 Tx / 4 Rx
Size (mm)		120 x 83 x 21
Weight (g)		130g ↓



Radar Sensor Specification

❖ Architecture & Major Elements



Element		Spec.
ECU	MCU	Clock : 300 MHz
	Power	Operation Volt. : 9V ~ 16 V Power : Typ. 5.0 W
	I/O	CAN FD 2 Ch.

Notice:

This Device complies with Part 15 of the FCC Rules [and with Industry Canada licence–exempt RSS standard(s)].

Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Notice:

Changes or modifications made to this equipment not expressly approved by (manufacturer name) may void the FCC authorization to operate this equipment.

FCC RF Radiation Exposure Statement:

This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Class B

FCC Information to User

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

Caution

Modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Compliance Information : This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation