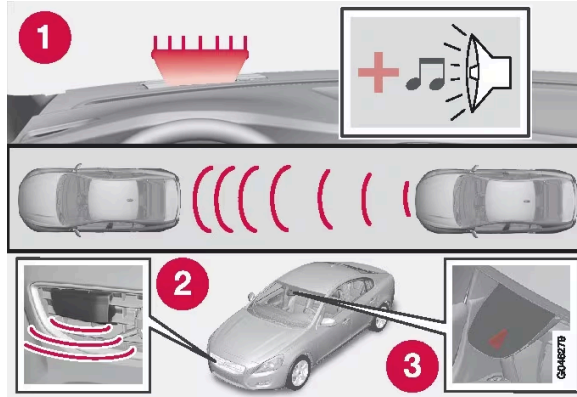


ADAS features that use Cameras in the Volvo S60:

- Collision Warning : The S60's camera system (along with the help of radar) can detect the presence of vehicles or pedestrians in front of the vehicle. Using this information, It alerts the driver with visual and auditory warnings if a potential collision is detected, helping prevent frontal accidents. **Reference:**
<https://www.volvocars.com/en-th/support/car/v40/article/c2aa4a930c8b6746c0a801e80>



[1ce49be](#)

- Autonomous Emergency Braking : Building on the Collision warning, the S60's system can initiate automatic braking if a potential collision is imminent. It can assist the driver in reducing the severity of or avoiding a frontal collision by automatically applying the brakes. **Reference:**

<https://www.media.volvocars.com/us/en-us/media/pressreleases/30668>



City Safety - low-speed auto brake

- Lane Departure Warning: The camera monitors the vehicle's position within the lane markings. If the S60 starts to drift out of its lane without the turn signal activated, the LDW system alerts the driver through visual and audible warnings to encourage corrective action. If those don't help, the car will automatically steer itself back onto the lane. **Reference:**

<https://www.volvocars.com/mt/support/car/s60-cross-country/article/a4040663f78f48f8c0>

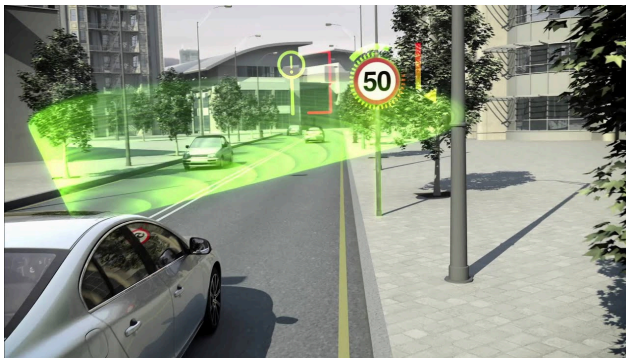


[a801e801a1957f](#) Lane Departure Warning

- Road Sign Information : Using its camera, the S60 can recognize and interpret traffic signs, such as speed limits, no-overtaking signs, and more. The information is then displayed on the instrument cluster or head-up display, providing updates to the driver.

Reference:

https://volvo.custhelp.com/app/answers/detail/a_id/9572/~road-sign-information-%28rsi%29

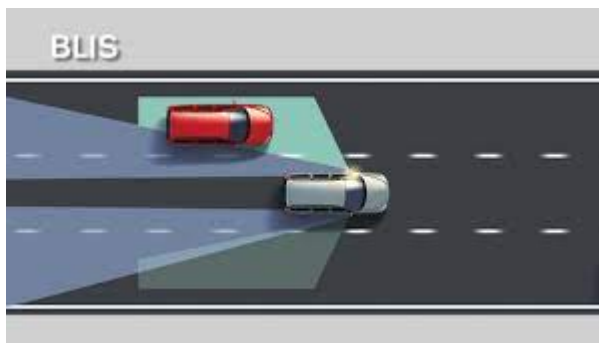


- Driver Alert Control : The camera monitors the driver's behavior for signs of fatigue or inattentiveness. If it detects indications of drowsiness or distraction, the DAC system issues alerts, encouraging the driver to take a break and stay focused. **Reference:** <https://www.media.volvocars.com/global/en-gb/media/pressreleases/12130>



Active Safety features (might overlap with section above. Not specific to the volvo s60) :

- Lane Keeping Aid: The Lane Keeping Aid feature actively assists the driver in keeping the vehicle within its lane. If the vehicle starts to drift unintentionally across the lane markings without using the turn signal, the system provides gentle steering inputs to guide the car back to the center of the lane. **Reference:** above
- Blind Spot Information System (BLIS): The BLIS feature alerts the driver to the presence of vehicles in the blind spots on either side of the vehicle. Using radar sensors, it monitors the adjacent lanes and displays a warning indicator in the side mirrors or provides an audible alert if a vehicle is detected in the blind spot. This helps the driver make safer lane changes. **Reference:** <https://www.ford.com/technology/driver-assist-technology/blis-cross-traffic-alert/>



- Active High Beam Control: The Active High Beam Control system uses a camera to detect oncoming vehicles or vehicles ahead. It automatically switches between high and low beams to provide optimal visibility without dazzling other drivers. This ensures maximum visibility during nighttime driving while minimizing the risk of blinding other road users. **Reference:**

- https://volvo.custhelp.com/app/answers/detail/a_id/9766/~/_city-safety-w%2Fcollision-warning

