

Blind Spot Information System

Innovative • Safe • Reliable

Saykal BSIS is a short/medium-range 76–81 GHz automotive radar sensor designed to support Blind Spot Information System applications and VRU detection. It detects and tracks objects in real time and provides reliable warnings for lane changes and turning maneuvers. With configurable field-of-view, CAN/CAN-FD communication, and low power consumption (<4 W), it offers an efficient and robust solution for heavy-duty vehicles.



ECE R151

Compatible

UDS & J1939

Support

Configurable FOV

180° Range

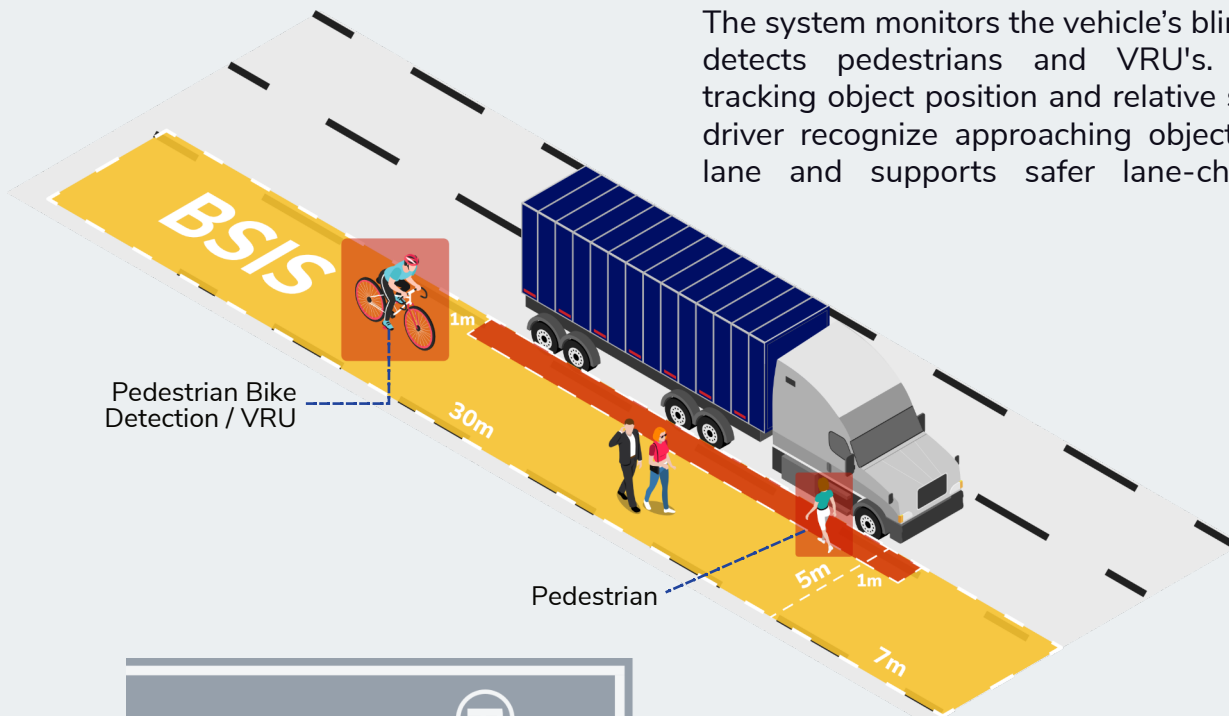
Rear and Front Side Radar

30 Meter

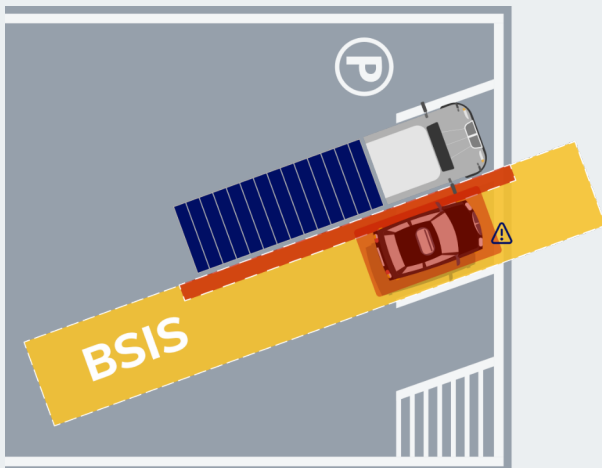
Azimuth Accuracy

±3°

Application Examples



The system monitors the vehicle's blind-spot zones and detects pedestrians and VRU's. By continuously tracking object position and relative speed, it helps the driver recognize approaching objects in the adjacent lane and supports safer lane-change maneuvers.



Safe Exit Assistant (SEA) supports safer door opening by warning the driver or passengers when a cyclist or pedestrian is approaching from behind. The radar detects movement in the rear side area and can trigger visual/audible alerts via vehicle outputs.