

| <i>Type of ADAS, based on [2]</i> | <i>Name of the products</i> | <i>Company</i> | <i>Technology / Functionality</i> | <i>References</i> |
|--|--|--|--|--------------------|
| Frontal Collision Warning | ARS 404-21 Long Range Radar; Forward Collision Warning System; Forward Collision Warning; Radar Obstacle Detection | Continental Bosch Mobileye (Intel) Backsense | Headway control, Collision avoidance, General distance and speed monitoring. Detecting critical situations (up to 80 meters away). Cámara monocular, with EyeQ® chip. Radar for Heavy duty vehicles. | [3]; [4]; [5]; [6] |
| Automatic Emergency Braking | Driver Assistance systems for urban areas; Emergency brake Automatic Emergency Braking | Bosch Nissan ZF | Automatic emergency braking on VRU. Assists in avoiding collision, front camera, pedestrian ahead. Mitigate collisions with other vehicles or pedestrians | [7]; [8]; [9] |
| Pedestrian Safety system | Pedestrian detection; Collision warning* – Pedestrian detection; Multi-Function Camera with Lidar; Predictive pedestrian protection system | Mobileye Volvo-S80 Continental Bosch | Cámara monocular, con EyeQ® chip. Full Auto Brake, cámara monocular. Lidar, CMOS camera, for: pedestrian detection, lane departure warning. Pedestrians and VRU detection | [10]; [11]; |
| Lane Keeping Assistance systems | Lane Departure Warning; Guideo; Lane Keeping Support; Lane Keeping Assist System; Lane Keeping Assist | Mobileye; Valeo Bosch; Acura; Continental | Cámara monocular, con EyeQ® chip. camera module: The Lane Alert, The Beep&watch. Cámara estéreo. Camara, control del volante. Front Camera | [20] |
| Lane Change Assistance warning | Lane Change Assist Lane change assistance system | Bosch Valeo | Radars | |
| Lane Departure warning | Lane Departure Warning Lane departure warning system (LDWS) | Bosch Continental DAF | Cámara frontal. Cámara, acoustical or haptic warnings Cámara, machine vision technology | |
| Blind Spot Warning | Blind Spot Warning; Blind Spot Detection; Blind Spot Intervention System | Nissan, Continental Infiniti | rear-view camera or rear/side facing radars. Radars | |
| Speed Limit Assistant | Speed Limit Display | BMW, Audi | Camama detrás del retrovisor y sistema de navegación. | |
| Traffic Jam Assist | Traffic Jam assist AI traffic jam pilot | Bosch Audi | Partial lateral and longitudinal control | [30] |
| Driver Distraction Detection | Driver Attention Alert; Driver Status Driver Monitoring Systems; Driver Drowsiness Detection; Driver Status Monitor | Nissan, Bosch, Continental, Denso, Autoliv, Valeo | Driver Attention Alert (DAA) system, Steering input patterns Camara interior, Monitoring steering movements, steering-angle sensor, Camara, ECU and driver's face | |
| Parking Assistance | Park assist, Back-Up Assist; Beep & Park, PARK4U; Remote park assist 360VUE, Ultrasonic Park Assist | Bosch; Valeo; Texas Instruments | Ultrasonic sensor, rear camera, smartphone, multi-camera system, distance sensors for park assist | |
| Night Vision System | Bosch Night Vision; Night Vision Systems. | Bosch; Autoliv; FLIR | Pedestrian detection; Animal Detection, Collision Mitigation by Braking; Used by BMW as part of NightVision system. | |
| Adaptive Light Control | Adaptive LED Headlights; Intelligent Headlight control; Intelligent Headlamp Control; Dynamic Light Assist; Adaptive High-Beam Assist | BMW; Bosch Continental Volkswagen Hella | Turn indicators, full LED technology; Video camera to measure the ambient brightness; Optimal night vision; Follow the angle of your steering wheel, based on cameras; camera on the windshield, headlamps controlled. | |
| Collision Avoidance System | Collision Avoidance Systems; Collision Avoidance System CAS-M light; | Seon; Bosch | Cameras, Visibility Around the Vehicle; Radar; Real-time rearview display, any wheather condition, mid-range radar sensor | |