

Advanced Rider Assistance System (ARAS) for 2W



Experience high level Advanced Rider Assistance Systems which meets current and future safety requirements for 2 wheeler market.

HELLA ARAS features includes Blind spot detection, Lane departure assist, rear collision warning and rear cross traffic alert.

These functionalities are achieved by the HELLA 77GHz RADAR technologies which enables AD functions, providing environment detection, focusing on stationary objects and road boundaries, as well as dynamic object tracking, focusing on dynamic objects such as pedestrians, bikes and cars.

ADVANCED RIDER ASSISTANCE SYSTEM

(ARAS) FOR 2W

BENEFITS

- Full use of 77/79GHz Band, high range resolution and more options to mitigate interference
- Reducing accidents through continuous monitoring of the adjacent lanes (up to 70m for rear)
- Support drivers in complex driving situations with high relative speeds
- For use in urban / interurban scenarios as well as highway driving
- Enhancement of the rider's field of view through blind spot monitoring at all speeds

FEATURES

- ARAS Features: Blind Spot Detection, Lane Departure Assist, Rear Collision Warning and Rear Cross Traffic Alert
- Detection of position and speed difference beside and behind the subject vehicle
- Different information stages possible (information level, warning level) and configuration setups (e.g. dynamic extension of warning zones)
- Warning when target vehicle is in adjacent area and driver indicates a lane change
- Monitoring of the rear of the subject vehicle
- Calculation of TTC (Time-to-collision)
- Compliant to ISO 17387 Type III Class C

