In this paper, the focus is on a particular type of ADAS, pedestrian protection systems (PPSs).

The objective of a PPS is to detect the presence of both stationary and moving people in a specific area of interest around the moving host vehicle in order to warn the driver.

- Presents a general module-based architecture that simplifies the comparison of specific detection tasks.
- Provides a comprehensive up-to-date review of state-of-the-art sensors and benchmarking.
- Reviews different approaches according to the specific tasks defined in the aforementioned architecture.
- Major progress has been made in pedestrian classification, mainly due to synergy with generic object detection and applications such as face detection and surveillance.