

Mobileye® SuperVision™

for Hands-free ADAS



What's Included?

AVAILABLE FEATURES

- Hands-free highway driving, including lane change, highway to highway navigation, on/off ramps, and urban driving
- Automated Parking
- Automatic Preventative Steering & Braking – micro-maneuvers based on our RSS, providing a smooth driving experience by pre-emptively avoiding unsafe, emergency situations on the road
- End to end system, including full Mobileye design, hardware architecture & implementation, ECU design, functional stack, decisions layers, and end-user function
- Legacy ADAS features, including AEB, ACC, and LKA, etc.

SYSTEM HARDWARE

- **11 cameras (7 long range, 4 short range) offering surround camera-sensor configuration** as developed and deployed in Mobileye's test AV fleet, which is tested on real roads today
- **2 x EyeQ5 High chips**, Mobileye's custom, cost-effective SoC

As a leader in both autonomous driving and advanced driver assistance systems (ADAS), Mobileye is bringing its camera-only autonomous driving technology to the ADAS realm with Mobileye SuperVision to power the next generation of hands-free ADAS technologies.

In addition to the features standard in Mobileye's ADAS offerings today, Mobileye SuperVision will offer hands-free features in a range of driving environments, including on highways, connecting roads, and up to urban roads, based on crowdsourced, constantly refreshed **map data** enabled by the Mobileye Roadbook™ powered by REM™.

Vehicles equipped with Mobileye SuperVision will benefit from the unprecedented combination of technology from the Mobileye test AV, including **360° surround camera coverage, driving policy and navigation technologies powered by 2 x EyeQ5™ High**, as well as **over-the-air updates**. This combination means that Mobileye's ongoing self-driving development and refinement in real-world, complex driving environments can reach the end consumer's vehicle at the touch of a button. In addition, this technology can be supplemented in the future to enable a fully autonomous system for the vehicle.

Mobileye's **legacy of safe-by-design, scalable automotive technology** comes together in Mobileye SuperVision to offer one of the highest levels of conditional autonomy available today.

System Architecture

