

# MOBILEYE® AV SERIES

## A TURNKEY SOLUTION FOR MAAS BUSINESS

Before fully autonomous vehicles begin rolling off automakers' assembly lines, MaaS providers can bring all the benefits of self-driving vehicles in their fleet by retrofitting existing late model vehicles using an Automated Vehicle (AV) Series from Mobileye.

Mobileye's AV Series offers all of the necessary hardware and software needed to equip vehicles for fully autonomous driving. This includes perception, fusion with other sensors, driving policy, decision making and mapping in a functionally safe and fail operational system design.

### Faster TTM for Autonomous MaaS

#### Key Features

- Bringing **full autonomy to late model vehicles** without waiting for purpose-built AVs
- **Faster time to market** for commercial deployment of autonomous Mobility-as-a-Service (MaaS) solutions including ride-hailing
- Built on a **low cost, low power consumption** purpose-built SoC for Autonomous Driving
- Fully tested and validated **out-of-the-box MaaS solution** minimizes the time and cost of integrating multiple pieces of silicon, sensors, software, and other hardware components
- Supporting both urban and highway, **Operational Design Domain (ODD) coverage**
- Human-like driving experience with formally verifiable safe-by-design decisions, courtesy of Mobileye's Responsibility-Sensitive Safety (RSS) model
- Mature SoC based on **5th generation EyeQ®**
- **360° sensing** for robust and safer performance
- Dynamic high definition **crowdsourced mapping solution and accurate localization** with an ultra-high refresh rate

### Did you know?

## VOLKSWAGEN, MOBILEYE AND CHAMPION MOTORS TO INVEST IN ISRAEL AND DEPLOY AUTONOMOUS EV RIDE-HAILING SERVICE

Volkswagen Group will provide the electric vehicles (EVs) as well as its in-depth knowledge about the design and deployment of mobility services. Mobileye, an Intel Company, will provide a full turn-key hardware and software self-driving system validated for level-4, driverless capability based on the AV Series. Champion Motors will be responsible for fleet logistics and infrastructure of the MaaS deployment and scaling. Development will begin in early 2019 and roll out in phases reaching full commercialization in 2022.



### What's Included?

#### HARDWARE

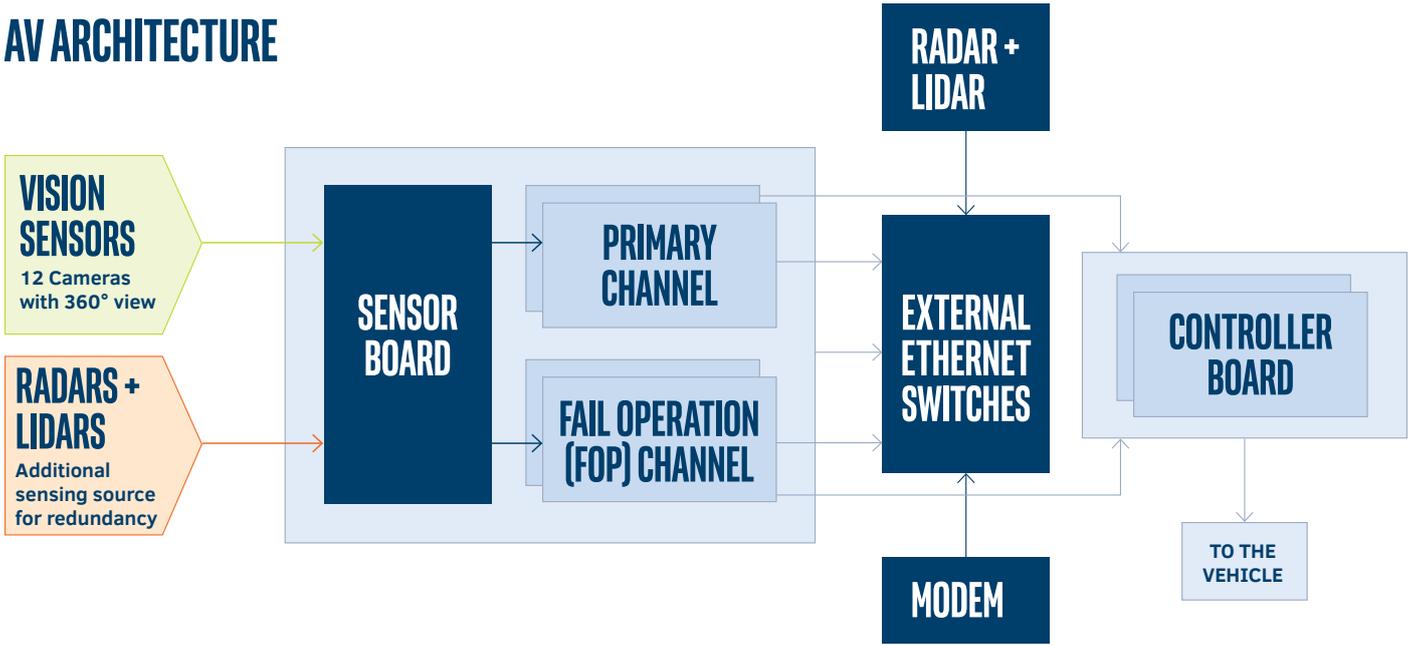
- Main board includes EyeQ5 SoCs
- MCU board
- External Ethernet Switch
- Mechanical packaging for main and FOP ECU and MCU ECU
- Cameras & cables (not including mounts or cleaning solution)
- Modem, GPS – can be included or use existing

#### SOFTWARE

- Computer vision (camera processing and sensor fusion)
- REM™ mapping and localization
- Environment model for safer and comfortable driving
- Driving policy



# AV ARCHITECTURE



EyeQ5 is Mobileye's fifth-generation SoC Mobileye with superior deep learning performance efficiency.



## SENSOR SUITE CONFIGURATION



<b>SR</b>	Short Range	<b>LR</b>	Long Range	<b>L</b>	Lidar
<b>MR</b>	Mid Range	<b>R</b>	Radar	<b>IR</b>	Infra Red

## AVAILABILITY

Mobileye is ready to engage today to help enable your MaaS business opportunity with the Mobileye AV Series.

[WWW.MOBILEYE.COM](http://WWW.MOBILEYE.COM)

Statements in this news summary that refer to future plans and expectations, including with respect to Intel's future products and the expected availability and benefits of such products, are forward-looking statements that involve a number of risks and uncertainties. Words such as "anticipates," "expects," "intends," "goals," "plans," "believes," "seeks," "estimates," "continues," "may," "will," "would," "should," "could," and variations of such words and similar expressions are intended to identify such forward-looking statements. Statements that refer to or are based on estimates, forecasts, projections, uncertain events or assumptions, including statements relating to total addressable market (TAM) or market opportunity and anticipated trends in our businesses or the markets relevant to them, also identify forward-looking statements. Such statements are based on the company's current expectations and involve many risks and uncertainties that could cause actual results to differ materially from those expressed or implied in these forward-looking statements. Important factors that could cause actual results to differ materially from the company's expectations are set forth in Intel's earnings release dated October 25, 2018, which is included as an exhibit to Intel's Form 8-K furnished to the SEC on such date. Additional information regarding these and other factors that could affect Intel's results is included in Intel's SEC filings, including the company's most recent reports on Forms 10-K and 10-Q. Copies of Intel's Form 10-K, 10-Q and 8-K reports may be obtained by visiting our Investor Relations website at [www.intc.com](http://www.intc.com) or the SEC's website at [www.sec.gov](http://www.sec.gov).

