# MOBILEYE®

# How EyeQ is Supporting Autonomous Driving

**AUTONOMOUS DRIVING**

| | EyeQ1 2008 | EyeQ2 2010 | EyeQ3 2014 | EyeQ4 2017 (Eyes Off) | EyeQ5 2020 (Mind Off) |
|---|---|---|---|---|---|
| **Highest Autonomous Level Supported** | Driver Assistance | | 2 | 3 | 4-5 |
| **Added features on top of previous generation** | Industry First Camera/Radar Fusion; Industry First Bundling of LDW, AHC & TSR; LDW; AHC; TSR; Light/Rain Sensing | + Industry First Pedestrian AEB; Industry First Camera Only FCW; Industry First Camera Only ACC and TJA | + Industry First Camera Only AEB; Industry First Animal Detection; Industry First Traffic Light Detection (US); Holistic Path Planning; Road Profile Reconstruction; Suspension Adjustment | + Mapping using REM; Driving Policy; Vehicle detection from any angle; Next generation lane detection | + Vision central computer; Open Software Platform; Hardware security |
| **Chip Performance** | | | | | |
| **Tops** (trillion operations per second) | 0.0044 | 0.026 | 0.256 | 2.5 | 15 |
| **Power Consumption (Watts)** | 2.5W | 2.5W | 2.5W | 3W | 5W |
| **Semiconductor Technology** | 180nm CMOS | 90nm CMOS | 40nm CMOS | 28nm FD-SOI | 7nm FinFET |

www.mobileye.com