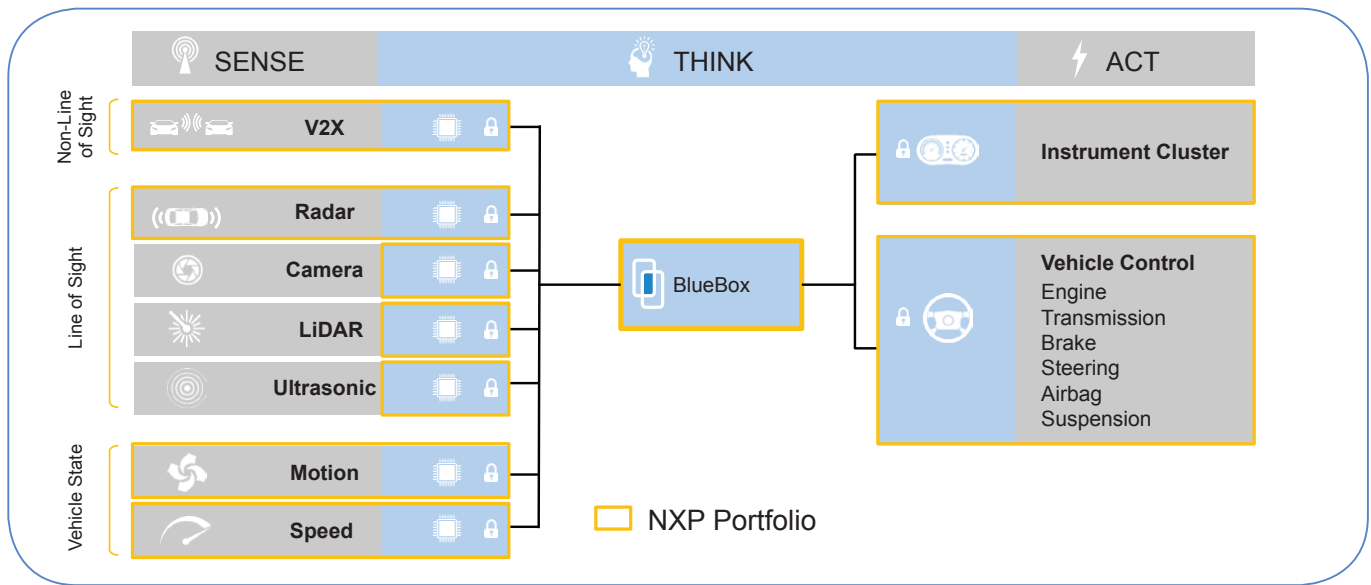


NXP BLBX2-DB BlueBox: Development Platform for Self-Driving Vehicles



HIGHLY OPTIMIZED SENSOR FUSION

- ▶ Various sensor data streams: radar, vision, LiDAR, V2X
- ▶ S32V234 automotive vision and sensor fusion processor
- ▶ LS2084A embedded compute processor
- ▶ S32R27 radar microcontroller



EASE OF DEVELOPMENT

- ▶ ROS Space
- ▶ Open ROS Space Linux®-based system
- ▶ Programmable in linear C
- ▶ Easily customizable
- ▶ Development environment for mainstream vehicles

HIGH PERFORMANCE PER POWER

- ▶ Up to 90,000 DMIPS at < 40 W
- ▶ Complete situational assessment
- ▶ Supporting classification
- ▶ Object detection and localization
- ▶ Mapping

SECURITY

- ▶ CSE and ARM® TrustZone® technology

DECISION MAKING

- ▶ Global path planning
- ▶ Behavior planning
- ▶ Motion planning

