



NXP Introduces Automated Drive Kit for Open, Fast and Flexible Development

- Robot Operating System (ROS) workspace with drivers for the Kit sensors
- NXP BlueBox 2.0 based, provides automotive grade functional safety and a robust compute platform
- Automated Drive Kit available to order on [AutonomouStuff website](#)

LAS VEGAS – Jan. 5, 2018 – NXP Semiconductors N.V. (NASDAQ: NXPI), the world's largest supplier of automotive semiconductors ¹, has announced the availability of the NXP Automated Drive Kit, a software enabled platform for the development and testing of automated vehicle applications. The kit enables car makers and suppliers to develop, test and deploy autonomous algorithms and applications quickly on an open and flexible platform with an expanding ecosystem of partners.

Now available for order on the [AutonomouStuff website](#), the Kit includes the NXP BlueBox 2.0, ROS workspace, and position and perception sensors. The Kit framework also supports Baidu's Apollo Software Platform and a host of autonomous development tools and sensors. The kit provides an easy and quick migration from a PC-Linux development environment to Embedded NXP-Linux.

Taking on automated drive applications requires easy access to multiple hardware and software options. NXP has opened the door to hardware and software partners to foster a flexible development platform that meets the needs of a diverse set of developers. The NXP Automated Drive Kit provides a baseline for level 3 development and will expand to additional autonomy levels as the ecosystem's performance scales.

The first release of the Automated Drive Kit will include a front vision system based on NXP's S32V234 processor, allowing customers to deploy their algorithms of choice. The Kit also includes front camera application software APIs and Object Detection Algorithms provided by Neusoft; a leading IT solutions and services provider in China and a strategic ADAS and AD partner to NXP. Additionally, the Kit includes sophisticated radar options and GPS positioning technology. Customers choose from various LiDAR options and can add LiDAR Object Processing (LOP) modular software from [AutonomouStuff](#), which provides ground segmentation and object tracking.

NXP at CES

NXP and AutonomouStuff will display the Automated Drive Kit on a Lexus RX 450h at CES 2018 at booth CP-25.

Quotes:

"The next wave of mobility requires an automated application development platform that's quick to implement, open and flexible," said Kamal Khouri, general manager and vice president of ADAS, NXP Semiconductors. "By partnering with AutonomouStuff, we are making the NXP Automated Drive Kit available to a broad and growing ecosystem that will enable a rapid development of the future of autonomy."

"Our partnership with NXP will make major strides in shaping the future of the transportation industry," said AutonomouStuff CEO, Bobby Hambrick. "Our integrated hardware-software solution, combined with a global deployment infrastructure, provides an easy and highly cost-effective way for the mobility industry to build complex automated driving features," continued Hambrick.



Availability

The NXP Automated Drive Kit is now available for ordering from AutonomouStuff as a standalone package that can be deployed by the customer in their own vehicle or as an integrated package with an AutonomouStuff Automated Research Development Vehicle.

Notes

¹ Source: Strategy Analytics 2016

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About NXP Semiconductors

NXP Semiconductors N.V. (NASDAQ: NXPI) enables secure connections and infrastructure for a smarter world, advancing solutions that make lives easier, better and safer. As the world leader in secure connectivity solutions for embedded applications, NXP is driving innovation in the secure connected vehicle, end-to-end security & privacy and smart connected solutions markets. Built on more than 60 years of combined experience and expertise, the company has 30,000 employees in more than 35 countries and posted revenue of \$9.5 billion in 2016. Find out more at www.nxp.com.

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