

Bosch Announces AI Self-Driving Computer with NVIDIA

NVIDIA Partners with Bosch for System Based on Next-Generation DRIVE PX Xavier Platform

Bosch Connected World - Bosch, the world's largest automotive supplier, today announced it is working with NVIDIA (NASDAQ: NVDA) to develop artificial intelligence self-driving systems for mass market cars.

Bosch CEO Dr. Volkmar Denner unveiled the collaboration during his keynote address at Bosch Connected World, in Berlin, at Bosch Group's annual Internet of Things conference.

NVIDIA and Bosch are developing an AI self-driving car computer built on NVIDIA's deep learning software and hardware that enables vehicles to be trained on the complexities of driving, operated autonomously and updated over the air with new features and capabilities.

"Self-driving cars is a challenge that can finally be solved with recent breakthroughs in deep learning and artificial intelligence," said Jen-Hsun Huang, founder and CEO, NVIDIA. "Using DRIVE PX AI car computer, Bosch will build automotive-grade systems for the mass production of autonomous cars. Together we will realize a future where autonomous vehicles make mobility safe and accessible to all."

"Automated driving makes roads safer, and artificial intelligence is the key to making that happen," said Denner. "We are making the car smart."

The Bosch AI car computer system will be based on next-generation [NVIDIA DRIVE™ PX technology](#) with Xavier, the upcoming AI car superchip, the world's first single-chip processor designed to achieve level-4 autonomous driving. The unprecedented level of performance of Xavier is necessary to handle the massive amount of computation required for the tasks self-driving vehicles must perform. These include running deep neural nets to sense surroundings, understanding the 3D environment, localizing themselves on an HD map, predicting the behavior and position of other objects, as well as computing car dynamics and a safe path forward.

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[NVIDIA's](#) (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market, redefined modern computer graphics and revolutionized parallel computing. More recently, GPU deep learning ignited modern AI -- the next era of computing -- with the GPU acting as the brain of computers, robots and self-driving cars that can perceive and understand the world. Today, NVIDIA is increasingly known as "the AI computing company." More information at <http://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: the impact and benefits of the self-driving car computer being developed by NVIDIA and Bosch, NVIDIA DRIVE PX, and Xavier; and self-driving cars being solved by deep learning and artificial intelligence are forward-looking statements that are subject to risks and uncertainties that could cause results to be materially different than expectations. Important factors that could cause actual results to differ materially include: global economic conditions; our reliance on third parties to manufacture, assemble, package and test our products; the impact of technological development and competition; development of new products and technologies or enhancements to our existing product and technologies; market acceptance of our products or our partners' products; design, manufacturing or software defects; changes in consumer preferences or demands; changes in industry standards and interfaces; unexpected loss of performance of our products or technologies when integrated into systems; as well as other factors detailed from time to time in the reports NVIDIA files with the Securities and Exchange Commission, or SEC, including its Form 10-K for the fiscal period ended January 29, 2017. Copies of reports filed with the SEC are posted on the company's website and are available from NVIDIA without charge. These forward-looking statements are not guarantees of future performance and speak only as of the date hereof, and, except as required by law, NVIDIA disclaims any obligation to update these forward-looking statements to reflect future events or circumstances.

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Media Contacts

Fazel Adabi

+1 408 486 8701

fadabi@nvidia.com