

NVIDIA Enters Production With DRIVE Orin, Announces BYD and Lucid Group as New EV Customers, Unveils Next-Gen DRIVE Hyperion AV Platform

Momentum Accelerates as Trailblazing OEMs Adopt NVIDIA's Programmable AI Compute Platform

GTC—NVIDIA today announced the start of production of its [NVIDIA DRIVE Orin™](#) autonomous vehicle computer, showcased [new automakers](#) adopting the NVIDIA DRIVE™ platform, and unveiled the next generation of its [NVIDIA DRIVE Hyperion™](#) architecture.

The company also announced that its automotive pipeline has increased to over \$11 billion over the next six years, following a series of design wins with vehicle makers from around the globe.

More than 25 vehicle makers have adopted the NVIDIA DRIVE Orin™ system-on-a-chip (SoC). Starting this year, they are introducing software-defined vehicles, built on the centralized AI compute platform.

DRIVE Hyperion with NVIDIA Orin™ serves as the central nervous system and AI brain for new energy vehicles — delivering constantly improving, cutting-edge AI features while ensuring safe and secure driving capabilities.

“Future cars will be fully programmable, evolving from many embedded controllers to powerful centralized computers — with AI and AV functionalities delivered through software updates and enhanced over the life of the car,” said Jensen Huang, founder and CEO of NVIDIA. “NVIDIA DRIVE Orin has been enormously successful with companies building this future, and is serving as the ideal AV and AI engine for the new generation of EVs, robotaxis, shuttles and trucks.”

At GTC, BYD and Lucid Group announced they are adopting NVIDIA DRIVE for their next-generation fleets.

BYD, one of the world's best-selling EV brands, will roll out next-generation NEVs built on the DRIVE Hyperion software-defined platform starting in early 2023. These fleets will tap the power of DRIVE Orin to enable intelligent driving, parking capabilities and more.

Lucid revealed that its DreamDrive Pro advanced driver-assistance system is built on NVIDIA DRIVE. The NVIDIA centralized compute architecture is seamlessly integrated with the ADAS hardware of every Lucid Air sedan delivered today. DreamDrive Pro is designed to grow in capability with over-the-air software updates through future-ready hardware already in place in the vehicle — enhancing the driving experience for customers with new functions and advanced features over time.

In addition to BYD and Lucid, NEV startups such as NIO, Li Auto, XPeng, SAIC's IM Motors and R Auto Brands, JiDU, Human Horizons, VinFast, WM Motor and others are all developing software-defined fleets on DRIVE.

With these latest announcements, NVIDIA DRIVE Orin has become the choice AI compute platform for 20 of the top 30 passenger electric vehicle makers in the world.

Design Win Pipeline Now at \$11 Billion

The open DRIVE Hyperion platform offers the production-ready performance and scalability required to deploy next-generation software-defined fleets without compromising safety and quality.

Since last April, NVIDIA's total automotive design win pipeline has increased from \$8 billion to more than \$11 billion over the next six years, spanning the entire autonomous vehicle industry — from the top EV makers, to world-renowned automakers Jaguar Land Rover, Mercedes-Benz and Volvo Cars, to leading trucking companies including Plus, TuSimple and Volvo Autonomous Solutions, and cutting-edge robotaxi manufacturers AutoX, DiDi, Pony.ai and Zoox.

Doubling Down Performance with DRIVE Hyperion 9

At his GTC keynote, Huang also announced the next-generation of the [DRIVE Hyperion architecture](#), built on the Atlan computer, for vehicles starting to ship in 2026. The DRIVE Hyperion platform is designed to scale across generations, so customers can leverage current investments for future architectures.

The next-generation platform will increase performance for processing sensor data — further enhancing safety — and extend the operating domains of full self-driving. DRIVE Hyperion 9 will feature 14 cameras, nine radars, three lidars and 20 ultrasonics as part of its sensor suite.

To learn more about today's NVIDIA DRIVE announcements, watch [Huang's GTC 2022 keynote](#). [Register for GTC for free](#) to

attend sessions with NVIDIA and industry leaders.

About NVIDIA

NVIDIA's (NASDAQ: NVDA) invention of the GPU in 1999 sparked the growth of the PC gaming market and has redefined modern computer graphics, high performance computing and artificial intelligence. The company's pioneering work in accelerated computing and AI is reshaping trillion-dollar industries, such as transportation, healthcare and manufacturing, and fueling the growth of many others. More information at <https://nvidianews.nvidia.com/>.

Certain statements in this press release including, but not limited to, statements as to: the benefits, impact, performance, specifications, and availability of our products and technologies, including DRIVE Orin and DRIVE Hyperion; our automotive pipeline; the features of future cars; and new customers adopting NVIDIA DRIVE 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 most recent reports NVIDIA files with the Securities and Exchange Commission, or SEC, including, but not limited to, its annual report on Form 10-K and quarterly reports on Form 10-Q. 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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