



Hyperview Selects Ambarella's CV3-AD Family of Automotive AI Central Domain Controllers for Autonomous Driving High Performance Computing Platforms

February 7, 2023 at 5:00 AM EST

SANTA CLARA, Calif. and SHANGHAI, Feb. 07, 2023 (GLOBE NEWSWIRE) -- [Ambarella, Inc.](#) (NASDAQ: AMBA), an edge AI semiconductor company, and [Hyperview](#), an autonomous driving tech company, today announced that Hyperview has selected Ambarella's CV3-AD family of AI central domain controller systems-on-chip (SoCs) to develop high performance computing (HPC) autonomous driving platforms. The focus of this development will be on pairing CV3-AD SoCs with Hyperview's software stack to provide production-ready perception, automated driving and parking solutions, for implementation by Tier-1s and OEMs in autonomous driving systems. Through this initial cooperation, the two companies seek to address the needs of the global automotive market.



Building on its experience in full-stack autonomous driving technologies, Hyperview is combining its advanced hardware design, software algorithm and system integration capabilities with Ambarella's scalable, high performance and power efficient CV3-AD family of AI central domain controller SoCs. This combination enables the integration and implementation of high-level autonomous driving systems and applications.

Empowered by the Ambarella CV3-AD family of SoCs, Hyperview's automated-driving central domain control unit (DCU) can now collect more comprehensive sensing data and improve processing speeds, thereby increasing recognition accuracy and realizing more autonomous driving functions. The CV3-AD SoC family integrates Ambarella's next-generation CVflow® AI computing architecture, which provides optimal processing for Hyperview's perception and planning algorithm, due to its higher software execution efficiency and lower power consumption compared with GPU and DSP architectures. The CV3-AD's 5nm process technology further reduces the power consumption of the system. The end result is that Hyperview's CV3-AD-based central DCU can drastically simplify automotive thermal-management design and lower power management complexity, while decreasing system costs and the mechanical complexity of vehicles.

"With the continuing advancements in vehicle intelligence, the market demand for high-level autonomous driving is ever increasing," said Dr. Liu Feilong, Founder and CEO of Hyperview. "Through this collaboration with Ambarella, we intend to develop an intelligent driving central DCU with high performance and low power consumption. We plan to achieve this by combining Ambarella's CV3-AD family of AI SoCs with our production-ready Navigate-on-Pilot (NoP) ADAS driving software and automated parking software, which will facilitate the mass-production of high-level autonomous driving solutions. With this cooperation as the starting point, over time we intend to deepen our collaboration with Ambarella in order to expand our global market and overseas business, while displaying Chinese innovation on the global stage and empowering the autonomy transformation of the vehicle industry at home and abroad."

"Our goal for this cooperation between Ambarella and Hyperview is to enable global tier-1s and OEMs with a new generation of advanced autonomous driving systems," said Fermi Wang, President and CEO of Ambarella. "By selecting our CV3-AD SoC family, Hyperview will be able to create AD solutions that offer the automotive industry superior performance, lower power consumption and significant bill-of-material improvements."

Leveraging the CV3-AD family of autonomous driving central domain controller SoCs from Ambarella, Hyperview seeks to develop the global markets. Hyperview's vision for this cooperation is to build advanced autonomous driving products and help create the next generation of transportation.

About Ambarella

Ambarella's products are used in a wide variety of human vision and edge AI applications, including video security, advanced driver assistance systems (ADAS), electronic mirror, drive recorder, driver/cabin monitoring, autonomous driving and robotics applications. Ambarella's low-power

systems-on-chip (SoCs) offer high-resolution video compression, advanced image and radar processing, and powerful deep neural network processing to enable intelligent perception, fusion and planning. For more information, please visit www.ambarella.com.

About Hyperview

Hyperview, an autonomous driving tech company, provides its customers with advanced automated-driving solutions, including in-house domain control unit hardware, as well as perception, planning and control software algorithms, that span the L1 to L4 autonomy levels. The company has over 500 employees, more than 85% of whom are researchers and engineers, and who come from the world's top autonomous driving companies, leading vehicle OEMs and suppliers. At present, Hyperview has achieved mass production on a total of 25 models, including those from SAIC, Great Wall, Chery, JAC, Li Auto, BYD and other OEMs. Since its founding in 2018, the company has received several rounds of funding from top international venture capital investment institutions such as Walden International, Hillhouse, Linear Capital, BlueRun Ventures, Prosperity 7 and Goldstone.

Ambarella Contacts

- Media contact: Eric Lawson, elawson@ambarella.com, +1 480-276-9572
- Investor contact: Louis Gerhardy, lgerhardy@ambarella.com, +1 408-636-2310
- Sales contact: <https://www.ambarella.com/contact-us/>

Hyperview Contacts

- Media contact: Yang Bai, yang.bai@hongjingdrive.com, +86 021-31821039
- Investor contact: Bo Gao, bo.gao@hongjingdrive.com, +86 021-31821039
- Sales contact: <http://www.hongjingdrive.com/>

All brand names, product names, or trademarks belong to their respective holders. Ambarella reserves the right to alter product and service offerings, specifications, and pricing at any time without notice. © 2023 Ambarella. All rights reserved.

A photo accompanying this announcement is available at <https://www.globenewswire.com/NewsRoom/AttachmentNg/479d7c85-b736-437e-9c5d-b21c93332e5f>



Hyperview Selects Ambarella's CV3-AD Family of Automotive AI Central Domain Controllers for Autonomous Driving High Performance Computing Platforms



Hyperview has selected Ambarella's CV3-AD family of AI central domain controller systems-on-chip (SoCs) to develop high performance computing (HPC) autonomous driving platforms.