AEye's Intelligent LiDAR Now Available on the NVIDIA DRIVE Autonomous Vehicle Platform

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Adaptive, Intelligent LiDAR Augments NVIDIA's Open Platform for L2+ to Level 5 Fully Autonomous Driving

Dublin, CA – July 16, 2021 – AEye, Inc. ("AEye"), the global leader in adaptive, high-performance LiDAR solutions, today announced it is working with NVIDIA to bring its adaptive, intelligent sensing to the NVIDIA DRIVE® autonomous vehicle platform.

The NVIDIA DRIVE platform is an open, end-to-end solution for Level 2+ automated driving to Level 5 fully autonomous driving. With AEye's intelligent, adaptive LiDAR supported on the NVIDIA DRIVE platform, autonomous vehicle developers will have access to next-generation tools to increase the saliency and quality of data collected as they build and deploy state-of-the-art ADAS and AV applications. Specifically, AEye's SDK and Visualizer will allow developers to configure the sensor and view point clouds on the platform.

"We are pleased to offer our customers the full functionality of our sensor on the NVIDIA DRIVE platform," said Blair LaCorte, CEO of AEye. "ADAS and AV developers wanting a best-in-class, full-stack autonomous solution now have the unique ability to use a single adaptive LiDAR platform from Level 2+ through Level 5 as they configure solutions for different levels of autonomy. We believe that intelligence will be the key to delivering new levels of safety and performance."

"AI-driven sensing and perception are critical to solving the most challenging corner cases in automated and autonomous driving," said Glenn Schuster, senior director of sensor ecosystems at NVIDIA. "As an NVIDIA ecosystem partner, AEye's adaptive, intelligent-sensing capabilities complement our DRIVE platform, which enables safe AV development and deployment."

AEye's adaptive LiDAR takes a uniquely intelligent approach to sensing, called iDAR™ (Intelligent Detection and Ranging). Its high-performance, adaptive LiDAR is based on a bistatic architecture, which keeps the transmit and receive channels separate. As each laser pulse is transmitted, the solid-state receiver is told where and when to look for its <class="keep">return – enabling parallel processing and deterministic artificial intelligence to be introduced into the sensing process at the point of object acquisition and detection. Ultimately, this establishes the iDAR platform as adaptive – allowing it to focus on what matters most, while simultaneously monitoring the vehicle's surroundings, resulting in greater reliability, safety, and performance at longer range and lower cost.

About AEye

AEye is the premier provider of high-performance, adaptive LiDAR systems for vehicle autonomy, advanced driver-assistance systems (ADAS), and robotic vision applications. AEye's AI-enabled and software-definable iDAR™ (Intelligent Detection and Ranging) platform combines solid-state adaptive LiDAR, an optionally fused low-light HD camera, and integrated deterministic artificial intelligence to capture more intelligent information with less data, enabling faster, more accurate, and more reliable perception. The company is based in the San Francisco Bay Area and backed by world-renowned financial investors including Kleiner Perkins and Taiwania Capital, as well as GM Ventures, Continental AG, Hella Ventures, LG Electronics, Subaru-SBI, Pegasus Ventures (Aisin), Intel Capital, SK Hynix and Airbus Ventures.

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