OUSTER

Ouster BlueCity Brings Physical AI to Smart Cities with NVIDIA for Reduced Traffic Congestion and Improved Roadway Safety

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- *Ouster BlueCity's deep learning perception model reaches training milestone, processing lidar data across 800 sites, with 4 million labeled objects – boosting detection accuracy and safety across hundreds of roadways*
- *High-performance edge processing powered by NVIDIA Jetson AGX Orin and Orin NX for real-time inference and interpretation of lidar data*

SAN FRANCISCO--(BUSINESS WIRE)--May 6, 2025-- Ouster, Inc. (Nasdaq: OUST) ("Ouster" or the "Company"), a leading global provider of high-performance lidar sensors and software solutions, today announced a major software development milestone for Ouster BlueCity, its turnkey traffic management solution. As a part of the NVIDIA Metropolis ecosystem, Ouster BlueCity's proprietary deep learning perception model has been trained on 4 million labeled objects collected from 800 sites encompassing diverse traffic patterns, intersection designs, and environmental conditions using NVIDIA TensorRT and Jetson edge AI platform.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20250506902617/en/

Ouster BlueCity traffic management solution.

At the core of Ouster BlueCity is Ouster's proprietary perception software that utilizes a deep neural network (DNN) to detect, classify, and track objects and trajectory data of multimodal road users. Ouster BlueCity's DNN runs on NVIDIA Jetson AGX Orin and NVIDIA Orin NX system-on-modules for real-time inference on the edge, bringing physical AI to smart city traffic systems around the world. The Company's deep learning model is developed in-house and further validated against manually annotated lidar data for accuracy.

With NVIDIA's high-performance accelerated computing technology, Ouster BlueCity's edge devices can process vast amounts of 3D lidar data in real time –delivering low-latency object detection, classification, and tracking, as well as supporting V2X communications and other intelligent transportation system (ITS) applications to improve signal timings, reduce congestion and increase safety for all road users. This approach offers significant advantages over classical algorithms, including improved generalization, greater scalability, reduced computational resources and real-time processing without the need for calibration.

"Ouster BlueCity is a prime example of how we are working to solve important real-world problems with physical AI," said Ouster CEO Angus Pacala. "Powered by the NVIDIA Jetson Platform, Ouster BlueCity combines digital lidar with real-time perception to improve traffic management and road safety for all road users.

In 2024, Ouster closed deals to expand the adoption of Ouster BlueCity to over 400 sites globally, including the largest lidar-powered smart traffic network in the United States in Chattanooga, Tennessee. With millions of intersections around the world, the Company sees a massive opportunity to improve transportation safety and reduce traffic congestion with the Ouster BlueCity.

For more information on Ouster's AI capabilities, read Ouster's latest blog here.

About Ouster

Ouster (Nasdaq: OUST) is a leading global provider of high-resolution lidar sensors and software solutions for the automotive, industrial, robotics, and smart infrastructure industries. Ouster is on a mission to build a safer and more sustainable future by offering affordable, high-performance sensors that drive mass adoption across a wide variety of applications. Ouster is headquartered in San Francisco, CA with offices in the Americas, Europe, and Asia-Pacific. For more information about our products, visit www.ouster.com, contact our sales team, or connect with us on X or LinkedIn.

Forward Looking Statements

looking statements. All forward-looking statements are subject to risks and uncertainties that may cause actual results to differ materially from those that we expected, including, but not limited to, the possibility of cancellation or postponement of contracts or unsuccessful implementations; risks related to the adoption of its products and the growth of the lidar market generally, inaccurate forecasts of market growth; Ouster's ability to respond to evolving regulations and standards; and other important risk factors discussed in the Company's Annual Report on Form 10-K for the year ended December 31, 2024, as may be further updated from time to time in the Company's other filings with the SEC. Readers are urged to consider these factors carefully and in the totality of the circumstances when evaluating these forward-looking statements, and not to place undue reliance on any of them. Any such forward-looking statements represent management's reasonable estimates and beliefs as of the date of this press release. While Ouster may elect to update such forward-looking statements at some point in the future, it disclaims any obligation to do so, other than as may be required by law, even if subsequent events cause its views to change.

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