Ouster BlueCity with REV8 Selected for Second Multimillion-Dollar Traffic and Safety Expansion in Nashville

November 17, 2026

The expansion equips 100 additional intersections with BABA-compliant lidar detection and proprietary edge AI in native color up to 500 feet, delivering enhanced signal actuation, advanced safety, and corridor-level visibility

SAN FRANCISCO--(BUSINESS WIRE)--Nov. 17, 2026-- Ouster, Inc. (Nasdaq: OUST), a leader in sensing and perception for Physical AI, today announced a second major deployment expansion of its Ouster BlueCity solution across 100 additional intersections in Nashville, Tennessee. In collaboration with its regional partner, Southern Lighting & Traffic Systems, the latest contract brings the total number of contracted Ouster BlueCity deployments in Nashville to 200+ intersections and roadway locations.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20261117544497/en/



Nashville DOT installs Ouster BlueCity with OS1 Max digital lidar, featuring native color and up to 500-foot advance detection.

Ouster BlueCity, a complete lidar traffic management solution, sets a new standard in traffic management by consolidating hardware and software into a single system to deliver real-time traffic signal actuation, safety alerts, and continuous 24/7 data analytics across intersections, corridors, and highway mainlines and ramps. The solution combines Ouster's high-resolution 3D lidar sensor, featuring optional native color, with proprietary AI to detect and track multimodal road users, including vehicles, cyclists, pedestrians, and trams, reliably in adverse weather and lighting conditions. The system overcomes traditional detection limitations while replacing the need for multiple inductive loops, cameras, and radars. Ouster BlueCity is fully compliant with system-level NEMA TS2, Build America, Buy America (BABA) Act requirements (effective for projects on or after October 1, 2026), and ISO 27001 cybersecurity standards.

The previously announced multimillion-dollar contract with the Nashville Department of Transportation (NDOT) to deploy Ouster BlueCity at 100 intersections and roadways was part of the *Choose How You Move* program. This second expansion introduces Ouster's Rev8 OS1 Max sensor featuring native color and advance detection up to 500 feet. The expanded range feeds continuous object detection data from multiple intersections and surrounding roads for a single, unified corridor view, reducing the need for mid-block sensors while unlocking advanced data for improved traffic flow and safety. Crucially, Ouster BlueCity's open API architecture integrates directly into the city's signal equipment, providing interoperability and real-time data sharing to NDOT's Advanced Traffic Management System, which enables centralized citywide control across existing infrastructure investments without hardware or software lock-in.

Nashville's latest modernization efforts are supported by the U.S. Department of Transportation's Phase II Strengthening Mobility and Revitalizing Transportation (SMART) federal grant program, which is a two-stage program focused on Planning and Prototyping (Phase I) and Implementation (Phase II). The Metropolitan Government of Nashville was awarded $10 million for Phase II of the Leveraging Advanced Data to Deliver Multimodal Safety (LADDMS) initiative, marking a significant milestone in enhancing transportation safety for vulnerable road users. The LADDMS team, a consortium including NDOT, Vanderbilt University, Tennessee State University, University of Tennessee at Chattanooga, Tennessee Department of Transportation, and other local stakeholders, previously received $2 million in Phase I.

"As Nashville continues to grow, our priority is leveraging innovative technology and open data architectures to build a safer, more efficient transportation network for everyone," said Aaron Cushman, Transportation Assistant Director at NDOT. "Federal SMART Grant funding is instrumental in accelerating this work. By integrating advanced sensing data, real-time signal control, and analytics into our infrastructure, Nashville is taking meaningful steps to protect vulnerable road users, improve traffic flow, and fulfill our grant objectives to create a future-ready mobility ecosystem. The SMART Grant program has also been critical in helping Nashville move innovative transportation technologies from pilot projects into production deployments, allowing us to demonstrate value, refine operations, and scale proven solutions more effectively. These resources create additional opportunities to expand smart mobility solutions citywide, improve safety and connectivity, and deliver a transportation system that supports Nashville's continued growth and evolving mobility needs."

NDOT began its partnership with Ouster in 2023 with eight pilot sites deployed in North Nashville focused on safety applications such as near-miss detection, and pedestrian intersection and mid-block movements. As part of its diligence process, Vanderbilt University tested Ouster BlueCity and validated its detection performance. Following a successful pilot, NDOT deployed Ouster BlueCity along Nashville's iconic five-intersection Broadway corridor, which attracted an estimated 17.4 million visitors last year, before expanding the solution citywide with a 100-plus location contract in 2025.

"With continuous, high-resolution 3D data across entire corridors, Nashville will have new opportunities for intelligent signal control that can respond to evolving traffic conditions," said Dr. William Barbour, Senior Research Scientist at Vanderbilt University. "Integrating Ouster BlueCity into Nashville's traffic operations enables data-driven signal optimization while simultaneously

protecting vulnerable road users across our busiest corridors."

By harnessing Ouster BlueCity for the latest deployment, Nashville is able to provide:

- **Adaptive Signal Actuation**: Delivers native color multimodal detection and tracking for adaptive and more effective signal management based on real-time road user demand.
- **Advanced Vulnerable Road User Safety:** Enables advanced logic to protect drivers, pedestrians and cyclists while simultaneously providing system-level vulnerable road user blurring at the edge for enhanced privacy. Key safety use cases include crosswalk clearance extensions for slower-moving vulnerable road users, dynamic flashing yellow arrow and no-right-turn-on-red based on pedestrian presence, and dilemma zone protection to extend red lights based on detection of high-speed vehicles.
- **Corridor-Level Visibility:** Long-range detection powered by the OS1 Max reduces the need for mid-block sensors. Multiple Ouster BlueCity deployments on a corridor are stitched together into a single 3D digital traffic twin, providing comprehensive, corridor-level visibility of multimodal road user movements.
- **Automated 24/7 Analytics:** Replaces inaccurate, time-consuming, and costly manual counts with continuous data collection delivered up to 20x faster and at a fraction of the cost. NDOT gains access to intuitive dashboards, heatmaps, and downloadable datasets across key operational and safety metrics. Traffic insights include speed, volume, occupancy, and turning movement counts, while safety analytics, backed by 3D incident event recordings, capture red-light running, near-misses, and jaywalking incidents.
- **Ease of Installation at Scale:** Installed on existing traffic infrastructure in as little as 3 hours per intersection, Ouster BlueCity has been engineered to reduce installation time while eliminating intrusive trenching, mast arm installs, and frequent lane closures. The low-maintenance design removes the need for complex calibration and routine cleaning and is backed by sensors engineered for 250,000+ hours Mean Time to Failure (MTTF) to minimize field service dispatches.

"Nashville is setting a benchmark for how modern cities leverage Physical AI to solve complex safety and mobility challenges," said Dr. Asad Lesani, Vice President of Global ITS Solutions at Ouster. "By deploying Ouster BlueCity with native color and long-range detection, Nashville can visualize a high-precision digital traffic twin at the corridor level for enhanced visibility, traffic flow, and safety. We are proud to deepen our partnership with NDOT to support Nashville's transportation and modernization goals."

Ouster BlueCity is deployed by cities and agencies worldwide to enhance mobility, streamline traffic operations, and improve road user safety. With Nashville included, the Ouster BlueCity solution powers the nation's three largest fully integrated lidar traffic management deployments, alongside Chattanooga and the State of Utah. For more information, visit ouster.com/bluecity.

About Ouster

Ouster (Nasdaq: OUST) is a leader in sensing and perception for Physical AI across industrial, robotics, automotive, and smart infrastructure. With a unified platform of high-performance digital lidar, cameras, AI compute, sensor fusion and perception software, and AI models, Ouster delivers solutions that improve quality of life in the physical world. Headquartered in San Francisco, CA, Ouster has a global presence serving thousands of customers 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

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. Ouster intends such forward-looking statements to be covered by the safe harbor provisions for forward-looking statements contained in Section 27A of the Securities Act of 1933, as amended and Section 21E of the Securities Exchange Act of 1934, as amended. Such statements are based upon current plans, estimates and expectations of management that are subject to various risks and uncertainties that could cause actual results to differ materially from such statements. The inclusion of forward-looking statements should not be regarded as a representation that such plans, estimates and expectations will be achieved. Words such as "offer," "expect," "will", "may," "anticipate," "intend," "reflect," "should," "plan," "can," "could," "estimate," "possible," "potential," "pursue," "demonstrate," and the negative of these terms and similar expressions are intended to identify forward-looking statements, though not all forward-looking statements use these words or expressions. All statements, other than historical facts, including statements regarding the capabilities and uses of Ouster's product offerings, including with respect to the opportunity for customers to improve transportation safety and modernize transportation systems; uses for Physical AI; the anticipated performance of Ouster's products and our expectations around customers' adoption and application of our products; and the Company's expectations and projections relating to future growth and opportunities constitute forward-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 risks related to the adoption of Ouster products; product quality and liability risks; risks related to the use of AI tools by us and others, including risks related to product performance, cybersecurity, and data privacy; the possibility of cancellation or postponement of contracts or unsuccessful implementations; Ouster's ability to maintain BABA compliance for its product offerings; Ouster's ability to manage growth, including the supply of BABA-compliant products; inaccurate forecasts of market growth and customer demand; 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, 2025, and as may be further updated from time to time in the Company's Quarterly Reports on Form 10-Q and 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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Ouster
For Investors: investors@ouster.io

For Media: press@ouster.io

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