



# Ouster BlueCity Unveils 500-Foot Advanced Detection with REV8 Native Color Lidar, Defining a New Era for Intelligent Transportation Systems

June 10, 2026

*First active deployment in the City of Stamford, CT to optimize traffic flow and road user safety*

SAN FRANCISCO--(BUSINESS WIRE)--Jun. 10, 2026-- [Ouster, Inc.](#) (Nasdaq: OUST) (“Ouster” or the “Company”), a leader in sensing and perception for Physical AI, announced today the release of [Ouster BlueCity](#) powered by its new Rev8 digital lidar.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20260610630915/en/>



Ouster BlueCity with Rev8 for 500ft advanced detection, deployed in Stamford, CT.

Ouster BlueCity is a complete traffic management solution combining 3D lidar with proprietary AI detection for intersection and highway multimodal actuation, alerts, and analytics. It is

already the industry’s most widely deployed lidar-based traffic management solution, with over 700 contracted site deployments including the three largest deployments in the United States to date.

## Ouster BlueCity with Rev8: The New Standard in Advanced Multimodal Detection

With the integration of Rev8, Ouster BlueCity introduces the world’s first native color lidar detection system, simultaneously capturing both color and 3D depth information without the need for complex calibration. This breakthrough capability provides unmatched situational awareness, including precise, high-fidelity digital traffic twins, simplified zone set-up, and more intuitive event analysis through improved color visualization. Importantly, the solution is designed for system-level privacy features at the edge while retaining the rich benefits of color data.

Delivering up to double the range and resolution of the previous generation, Ouster BlueCity with Rev8 also enables the advanced, long-range detection required for comprehensive, corridor-level traffic management. These added capabilities allow transportation departments to confidently reduce their sensor footprint and overall costs, while benefiting from advanced detection, tracking and classification, and more rugged and reliable hardware. With a planned 10-year production life for Rev8, Ouster BlueCity ensures long-term program stability for public infrastructure projects.

## Field-Proven: Stamford, Connecticut Leads First Deployment

The City of Stamford, Connecticut was the first to install [Ouster BlueCity with Rev8 native color](#), enabling advanced, 360° corridor-level detection to optimize traffic flow, reduce vehicle idle times, and minimize gridlock spillback. Using precise geolocation detection, the solution will also enable data-led decision making and faster interventions for complex safety events such as near-misses, speeding, and outside-of-crosswalk events. This deployment follows successful installations of the Ouster BlueCity solution earlier this year by the Connecticut Department of Transportation and Ouster’s distributor, New England Traffic Solutions.

“Ouster BlueCity with Rev8 lidar sensors allows us to take a massive leap forward in our transportation infrastructure. By capturing native color alongside longer multimodal detection range, our traffic teams gain unprecedented situational awareness to protect vulnerable road users and optimize signal timing along our busiest corridors – all while maintaining privacy for our residents,” said Stephen Frycz, Transportation Manager, City of Stamford, CT. “We’re excited to be the first in the nation to deploy this cutting-edge technology.”

## Ouster BlueCity Rev8 Solution Highlights

- **Advanced Multimodal Detection:** Sets a new benchmark by delivering continuous, 360° detection of road users up to 500 ft across lighting extremes and severe weather conditions. Building on the previous generation's 99% stop-bar detection accuracy, the system optimizes signal timing based on real-time movements of vehicles, pedestrians, cyclists, and trams to improve traffic flow and reduce delays through Transit Signal Priority (TSP), critical dilemma zone monitoring, and adaptive pedestrian walk-time extensions. An open API architecture ensures seamless integration with leading ATMS platforms for rapid, scalable data sharing.
- **Complete System for Actuation, Alerts, and Analytics:** Consolidates hardware and software into a single system that can replace multiple cameras, radars, and inductive loops with just one or two lidar sensors per intersection or highway approach. The system integrates with existing traffic controllers for real-time signal actuation, alerts, and V2X safety messages. Powered by NVIDIA edge computing, automated traffic and safety analytics are delivered up to 20 times faster at a fraction of the cost. Versatile deployment models offer long-term flexibility with perpetual or scalable SaaS licensing for edge and cloud analytics.
- **Trusted, Low-Maintenance Reliability:** Lidar hardware built for public infrastructure with a planned 10-year production life and extreme temperature (-40°C to +85°C) and environmental resilience (IP68/69K). The system mounts to existing traffic

infrastructure in as little as 3 hours, eliminating the need for expensive mast arms, street trenching, lane closures, or complex field calibrations, reducing maintenance and costs. Ouster BlueCity with Rev8 is BABA certified. The system also complies with NEMA TS2 and relevant cybersecurity requirements and is designed for system-level privacy features at the edge.

To learn more, visit: [www.ouster.com/bluecity](http://www.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](http://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. The Company 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 applications of Ouster's products, including with respect to the opportunity to reduce traffic congestion, optimize traffic flow, and improve transportation safety using Ouster BlueCity with Rev8 lidar sensors; uses for Physical AI; future growth and opportunities; and competitive position 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 possibility of cancellation or postponement of contracts or unsuccessful implementations; risks related to the adoption of Ouster's products, product quality and liability risks; 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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