Ouster Releases The REV8 OS Family: The World's First Native Color Lidar

May 4, 2026

- *Powered by the Company's breakthrough L4 and L4 Max Ouster Silicon*
- *Features the first patented native color lidar sensors with point for point 3D color vision*
- *Introduces flagship OS1 Max sensor with double the range and resolution of Rev7*
- *Auto-grade, cybersecure, and designed for functional-safety*

SAN FRANCISCO--(BUSINESS WIRE)--May 4, 2026-- Ouster, Inc. (Nasdaq: OUST) ("Ouster" or the "Company"), a leader in sensing and perception for Physical AI, announced today its new family of OS digital lidar sensors, Rev8, powered by its next-generation L4 Ouster Silicon. Ouster Rev8 features the world's first patented native color lidar sensors, provides up to double the range and resolution of the previous generation, and is designed for functional safety, reliability, affordability, and scale.

This press release features multimedia. View the full release here: https://www.businesswire.com/news/home/20260504718668/en/

L4 Ouster Silicon:

Ouster's breakthrough L4 architecture doubles the range and resolution of its lidar over the prior generation, adds native-color sensing, and is designed for functional safety. Based on patented Ouster Silicon with embedded Fujifilm color science, the L4 chip results in exquisite color data and hardware-enabled HDR. It boasts 42.9 GMACs of processing power, detection of up to 20 trillion photons per second and a 40 kHz measurement rate with picosecond timing precision, and is capable of processing up to 10.4 million points per second and 22.4 gigabits per second of data bandwidth off-chip. The L4 architecture features both the 128 channel L4 and 256 channel L4 Max.

Native Color:

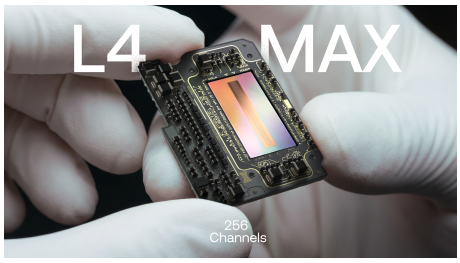
Rev8 represents a paradigm shift in AI perception with the world's first native color lidar sensors. To perceive the world in full context requires a combination of structure and color, and Rev8 is the first sensor to unify both. For the first time, a single lidar sensor can understand road signs, interpret brake lights, or simply capture the richness of planet earth in survey-grade, colorized maps.

With megapixel resolution and stunning image quality, Rev8 native color sensors fuse data through physics rather than software. Every point is "born" with color, ensuring ultra-low latency and perfect spatial-temporal alignment. This single-sensor solution eliminates the need for complex calibration, providing a seamless understanding of 3D environments with rich visual and depth information. Owing to its exceptional 48-bit color depth and 116 dB of dynamic range, Ouster's native color data maintains performance in lighting extremes from 1 lux to 2 million lux.

The World's First Native Color Lidar



L4 Max



OS1 Max



The REV8 OS Family: The World's First Native Color Lidar.

REV8 Highlights

The Rev8 OS family features completely reimagined OS0, OS1, and OSDome sensors and adds the flagship 256 channel OS1 Max.

- **The Flagship OS1 Max:** Provides best-in-class performance by delivering double the range and double the resolution of Rev7 through a premier 256 channel architecture powered by the L4 Max. The OS1 Max sees up to 200 meters at 10% reflectivity with a maximum detection range of 500 meters, all with a 45° field-of-view. Purpose-built for high-speed autonomy, smart infrastructure, and heavy industrial use, the OS1 Max offers native color and industry-leading reliability to power long-range, high-performance applications.
- **Engineered for Functional Safety and Reliability:** Every sensor is auto-grade, cybersecure to ISO 21434, and designed for ASIL-B to ISO 26262, SIL-2 to IEC 61508, and PLd to ISO 13849 functional-safety certifications, ensuring continuous

uptime and industry-leading reliability in the most demanding industrial and automotive applications.
- **Built For Affordability and Scale:** Designed for low-cost, high-volume production deployments to support mass market adoption. With a planned 10-year production life, Rev8 sensors provide the long-term program stability and scalability required for global commercial rollouts.

"Rev8 is the most advanced family of lidar sensors ever released and sets a new standard in sensing," said Ouster CEO Angus Pacala. "With the L4 Ouster Silicon, we are delivering on the promise of our digital architecture to deliver exponential improvements in performance, doubling our core specs and simultaneously introducing the world's first native color lidar to give machines 3D human-like sight for the next era of Physical AI. Rev8 is the foundational technology that will allow customers to move from prototype to commercial production at scale, providing the reliability and affordability required to enable real-world autonomy across industries."

Built for the Physical AI Era

The benefits of native color for object classification and sensor fusion, and the unparalleled performance of the OS1 Max, alongside the functionally-safe, ruggedized, scalable design of the entire OS family are a game-changer for customer development and capability. Rev8 native color sensors unlock the collection of the high-quality 3D color data necessary to train the next generation of Physical AI world models. With Rev8's focus on affordability and scalability, customers can leverage the same sensor suite for both data collection and production deployments. With these advancements, Rev8 is defining a new standard in sensing for the next era of Physical AI.

Global Adoption

Dozens of technology leaders across the industrial, robotics, automotive, and smart infrastructure markets intend to adopt Rev8 OS sensors, including Google, Volvo Autonomous Solutions, Liebherr, Epiroc, Field AI, Flyability, Skydio, PlusAI, Constellis, Bedrock, Kässbohrer, Third Wave Automation, Burro, Seegrid, Gecko Robotics, Pratt Miller, AIM Intelligent Machines, Cyngn, Freefly Systems, ATI Robotics, and SwarmFarm, among others.

Ouster's Rev8 OS sensors are available to order today and shipping this quarter.

For more information, visit Ouster's website or reach out to an expert at lidar@ouster.io. For details on product specifications, refer to the Rev8 data sheets on the downloads page.

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. 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 "anticipate," "expect," "project," "intend," "believe," "may," "will," "should," "plan," "could," "continue," "target," "contemplate," "estimate," "forecast," "guidance," "predict," "possible," "potential," "pursue," "likely," 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 statements of historical fact, including statements regarding our strategy, industry trends and our market positioning, the total addressable market for Ouster's products and offerings; the development of and demand for our products, the scalability and planned production, anticipated performance, benefits to and expectations around customer adoption and application of our products, and the timing and shipment of our products, all 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, risks related to the Company's limited operating history and history of losses; competition in Ouster's industry; the adoption of its products and the growth of the lidar market generally; product quality and liability risks; cancellation or postponement of contracts or unsuccessful implementations; Ouster's ability to respond to evolving regulations and standards; the Company's ability to manage inventory; the Company's dependence on key third party suppliers, in particular, Benchmark Electronics, Inc., Fabrinet and other suppliers changes to trade policy, tariffs, and import/export regulations that may have a material adverse effect on Ouster's business, financial condition and results of operations; and other important 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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