



Ouster Introduces 3D Industrial Sensor Suite for High-Volume Material Handling Applications

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High-resolution industrial sensors for forklift, port equipment, and autonomous mobile robot (AMR) manufacturers automating production fleets



Ouster's industrial line of high-resolution OS0 and OS1 sensors for high-volume material handling applications. (Photo: Business Wire)

SAN FRANCISCO--(BUSINESS WIRE)-- Ouster, Inc. (NYSE: OUST) ("Ouster" or "the Company"), a leading provider of high-resolution digital lidar sensors, announced the release of a 3D industrial lidar sensor suite designed for high-volume material handling applications. The industrial line of high-resolution OS0 and OS1 sensors is configured to meet the unique requirements of forklift, port equipment, and autonomous mobile robot (AMR) manufacturers at price points that enable adoption on high-volume production fleets.

"Material handling OEMs and companies manufacturing their own warehouse robots with unit demand for thousands of sensors require competitive volume pricing and a unique set of sensor capabilities," said Nate Dickerman, Ouster's President of Field Operations. "The 3D capabilities of our industrial sensor suite outperform legacy 2D laser scanners by delivering superior resolution, range, and field of view without increasing system cost or complexity. Customers retrofitting their fleets with our industrial sensors can expect a compelling return on their investment with improved speed, safety, and fleet efficiency."

Built to high standards for ruggedness, robustness, and reliability in all-weather conditions, Ouster's industrial sensors can be used both indoors and outdoors, particularly for applications that require short range detection and an ultra-wide field-of-view for maneuvering in narrow spaces and dynamic environments. The industrial sensor suite can help material handling customers reduce incidents in the warehouse that are a result of 2D lidar limitations, while also expanding the use of automated equipment to more shared workspaces.

Industrial Sensor Suite Highlights

- Industry-leading reliability
- High-resolution (128 channels)
- Detects common warehouse obstacles that 2D lidar sensors miss
- Range up to 100 meters
- Ultra-wide field of view: up to 90° vertical and up to 360° horizontal
- Rated for indoor and outdoor use in all weather conditions

"Ouster is poised to become the default choice for industrial automation with the launch of our industrial sensor suite alongside upcoming chip releases, software, and industrial safety certifications," said Ouster CEO Angus Pacala. "With this product line, we

aim to capture a significant share of the \$1 billion market for industrial lidar sensors as customers see the immense benefits of converting from analog 2D industrial lidar to our digital 3D lidar suite.”

For more information on Ouster’s industrial sensor suite, [read more](#) or reach out to an Ouster representative at lidar@ouster.io.

About Ouster

Ouster (NYSE: OUST) is building a safer and more sustainable future through its high-resolution digital lidar sensors for the automotive, industrial, smart infrastructure, and robotics industries. Ouster’s sensors offer an excellent combination of price and performance with the flexibility to span hundreds of use-cases and enable revolutionary autonomy across industries. With a global team and high-volume manufacturing, Ouster supports approximately 600 customers in over 50 countries. Ouster is headquartered in San Francisco, CA with offices in the Americas, Europe, Asia-Pacific, and the Middle East. For more information, visit www.ouster.com, or connect with us on [Twitter](#) or [LinkedIn](#).

Forward-Looking Statements

This press release contains “forward-looking statements” within the meaning of the “safe harbor” provisions of the Private Securities Litigation Reform Act of 1995, including but not limited to, statements regarding Ouster’s technological advancements, market opportunities, market growth expectations, potential pipeline of customers, whether the products will meet the unique requirements of forklift, port equipment, and autonomous mobile robot (AMR) manufacturers at price points that enable adoption on high-volume production fleets, poised to become the default choice for industrial automation with the launch of our Industrial OS hardware coupled with upcoming chip releases, software, and industrial safety certifications, commercial expansion plans including expecting large volumes to grow revenue while quickly reducing costs and delivering more profitability through our other end-markets, anticipated product releases, positioning to capture market share, and driving near and long term revenue growth. Forward-looking statements give Ouster’s current expectations and projections relating to its financial condition, competitive position, financial position, future results of operations, plans, objectives, future orders whether binding or non-binding, and business. You may identify forward-looking statements by the fact that they do not relate strictly to historical or current facts. These statements may include words such as “aim”, “anticipate”, “estimate”, “expect”, “project”, “plan”, “forecast”, “intend”, “believe”, “may”, “will”, “should”, “can have”, “likely”, “guidance”, “continue”, “could”, “would”, “potentially”, “preliminary” and other words and terms of similar meaning in connection with any discussion of the timing or nature of future operating or financial performance or other events. 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 Ouster’s limited operating history and history of losses; the negotiating power and product standards of its customers; fluctuations in its operating results; supply chain constraints and challenges; cancellation or postponement of contracts or unsuccessful implementations; the adoption of its products and the growth of the lidar market generally; its ability to grow its sales and marketing organization; substantial research and development costs needed to develop and commercialize new products; the competitive environment in which it operates; selection of its products for inclusion in target markets; its future capital needs and ability to secure additional capital on favorable terms or at all; its ability to use tax attributes; its dependence on key third party suppliers, in particular Benchmark Electronics, Inc., and manufacturers; its ability to maintain inventory and the risk of inventory write-downs; inaccurate forecasts of market growth; its ability to manage growth; the creditworthiness of its customers; risks related to acquisitions; risks related to international operations; risks of product delivery problems or defects; costs associated with product warranties; its ability to maintain competitive average selling prices or high sales volumes or reduce product costs; conditions in its customers’ industries; its ability to recruit and retain key personnel; its use of professional employer organizations; its ability to adequately protect and enforce its intellectual property rights; its ability to effectively respond to evolving regulations and standards; risks related to operating as a public company; risks related to the COVID-19 pandemic; risks related to certain of its warrants being accounted for as liabilities; and other important factors discussed in the Company’s Annual Report on Form 10-K for the year ended December 31, 2021, as any such factors may be updated from time to time in the Company’s other filings with the Securities and Exchange Commission (the “SEC”), and in other reports the Company files with or furnishes to the SEC. 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 required by law, even if subsequent events cause its views to change.

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