



## **Quanergy Unveils the M1 Sensor with Highest Accuracy for Mid-Long Range Industrial Measurement Applications**

- *Up To 2x Longer Range, Range Accuracy and 75% More Data Enables Best In Class Measurement Accuracy*
- *Expands Quanergy's Industrial Portfolio In Fast Growing Industrial Automation Market*
- *2x Performance At Lower Cost Than Current Legacy Industrial LiDAR Sensors in the Market*

**SUNNYVALE, Calif.** – July 29, 2020 – [Quanergy Systems](#), Inc., a leading provider of LiDAR (Light Detection and Ranging) sensors and smart perception solutions, today unveiled [M1](#), a next generation 2D industrial LiDAR sensor for mid- to long-range, high precision measurement applications. The M1 joins the company's M-Series to expand its industrial product portfolio by offering twice the price-performance vs legacy industrial LiDAR sensors. With up to double the range and range accuracy and 75% more data, M1 provides superior accuracy and object-detection at longer range compared to the legacy LiDAR sensors in the market today.

The M1 2D LiDAR sensor is designed specifically to increase accuracy, efficiency, and productivity by helping automate critical processes in industrial applications such as logistics in warehouses, factories and other industrial facilities as well as providing more accurate detection at loading zones of cargo containers onto trucks at busy port terminals.

"Quanergy's new M1 brings game-changing performance to the complex industrial automation markets where measurement accuracy is critical," said Jonas Ledergerber, Executive Director at Sentek. "M1 provides industry leading angular resolution, over three times better than legacy solutions, and superior range, measurements per second, weight and size which is ideal for port and logistics automation as well as process control inspection."

Quanergy's new M1 LiDAR sensor offers the following benefits:

### **Up to 2x higher range and range accuracy**

With M1, industrial automation organizations can now more precisely detect objects up to 70 m at 10% reflectivity, ideal for complex outdoor applications such as loading and unloading containers on and off ships.

**Finest angular resolution for best in class measurement accuracy**

With an industry leading angular resolution of 0.033° and 360 degree coverage, M1 offers up to 7.5x finer resolution than existing industrial sensors, enabling best in class measurement.

**Up to 75% more data per second**

Quanergy M1 provides a denser point cloud dataset delivering a higher resolution of an image or object.

**Small compact footprint**

The new M1 is over 50% smaller in size and is three times lighter than competing sensors, capable of mounting and installing on a wide variety of platforms requiring a small footprint.

“Quanergy’s M1 provides far superior performance and accuracy than what exists in the market today, at a better price point, and is ideal to automate operations without needing a person physically monitoring the workspaces,” said Teresa Liou, Sr. Director of Product Management at Quanergy. “M1’s accuracy brings LiDAR technology to a new level, providing unmatched performance with the ability to detect objects at longer distances and at higher efficiencies than ever before.”

The M1 2D sensor is a perfect complement to Quanergy’s 3D M8 and it is immediately available. To request more information about the new M1, contact [sales@quanergy.com](mailto:sales@quanergy.com).

**About Quanergy Systems, Inc.**

Quanergy Systems, Inc. was founded in 2012 and builds on decades of experience of its team in the areas of optics, photonics, optoelectronics, artificial intelligence software and control systems. Headquartered in Sunnyvale, California, in the heart of Silicon Valley, Quanergy offers a high-performance AI-powered LiDAR platform designed to accelerate the automation of key business processes to increase productivity, efficiency, and safety of our 3D world. By providing actionable insights to organizations across major industries including, mapping, security, smart cities and smart spaces, industrial automation and transportation, Quanergy is enabling its partners and their end-users to deploy innovative solutions to drive their business growth and ultimately, improve the quality of life for people around the world. For more information, visit [www.quanergy.com](http://www.quanergy.com).

**For media inquiries:**

Neal Stein, Red Javelin Communications

321-473-7407

[neal@redjavelin.com](mailto:neal@redjavelin.com)

Sona Kim, Quanergy

408.245.9500

[media@quanergy.com](mailto:media@quanergy.com)