



Contact:
Sona Kim
Marketing Communications Manager
408.245.9500
media@quanergy.com

Quanergy Unveils QORTEX™ 2.0 AI-based LiDAR Perception Software at Global Security Exchange 2019

SUNNYVALE, Calif. – September 10, 2019 – Quanergy Systems, Inc., a leading provider of LiDAR (Light Detection and Ranging) sensors and smart sensing solutions, today released the next generation of its proprietary perception software platform, [QORTEX 2.0](#). Quanergy will showcase the new features at the upcoming [Global Security Exchange Conference](#) (GSX) in Chicago, Illinois, September 8-12, 2019.

QORTEX is a core proprietary perception software platform compatible with Quanergy's suite of LiDAR sensors. The flexible and scalable platform uses machine learning and 3D perception algorithms to enable an entirely new level of smart awareness across various industries and applications including security, smart cities, transportation, and industrial automation.

The multiple new features of QORTEX 2.0 include the support of people and vehicle detection, tracking and classification, more efficient processing and improved performance, acceleration and directional information, and server configuration API to enable the development of customized QORTEX interfaces. Additionally, the new system has been redesigned with a more user-friendly interface and is now compatible with Windows 10.

“QORTEX was developed over the course of 10 years, and is an important technological advancement for the LiDAR industry as the first fully integrated hardware and software solution,” said Tianyue Yu, CTO of Quanergy. “With these new updates to QORTEX 2.0, we’re continuing our commitment to developing the best-in-class LiDAR technology and giving our partners access to customized solutions that will positively impact their businesses and further push the boundaries of LiDAR applications.”

Quanergy’s family of QORTEX solutions includes:

[QORTEX DTC™ \(Detection, Tracking, Classification\)](#): The QORTEX DTC™ Solution is a highly intelligent and integrated hardware and software platform. The solution utilizes Quanergy’s patented M8™ LiDAR sensor and can detect, classify, and measure the position, velocity, and orientation of individual objects, including people and vehicles. The solution has up to 95% detection accuracy at a centimeter-level and offers up to 100m of continuous tracking. Multi-LiDAR Fusion™ allows multiple sensors to be used in conjunction with each other to provide additional range and coverage. The system is designed to integrate into existing security infrastructure and can automatically control PTZ camera movement and sound alarms. It is also compatible with various Video Management Software (VMS), such as Milestone.

QORTEX Object Profiling: The QORTEX Object Profiling solution uses Quanergy's S3-2 solid state LiDAR sensor to scan objects, analyze the point cloud and provide users with detailed information on the object's characteristics. The people counting solution, which is the solution's newest development, is ideal for situations in which queue management and access control must be closely monitored and can help easily understand the occupancy and traffic within an area.

For more information on Quanergy's LiDAR products and solutions, visit quanergy.com or stop by booth #1716 at GSX in Chicago.

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 smart sensing solutions. It is a leading provider of LiDAR sensors and perception software for real-time capture and processing of 3D spatial data and object detection, identification, classification and tracking. Its sensors are disruptive in price, performance, reliability, size, weight and power. Its solutions are applicable in numerous sectors including transportation, security, industrial automation, 3D mapping, mining, agriculture, drones, robotics, smart spaces and 3D-aware smart devices for improved safety, efficiency and quality of life. For more information, visit www.quanergy.com.