

Quanergy Systems to Showcase Powerful LiDAR Security Detection System at ISC West

Surveillance solution from leading LiDAR company detects threats in real 3D space

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SUNNYVALE, Calif.--(BUSINESS WIRE)--Quanergy Systems, Inc., the leading provider of LiDAR sensors and smart sensing solutions, today introduced Q-Guard, a complete LiDAR-based security system for perimeter fencing and intrusion detection. Quanergy will showcase the new security technology in Booth 9137 at ISC West, the nation's largest security industry tradeshow, April 6-8 in Las Vegas, Nevada at the Sands Expo and Convention Center.

Q-Guard comes complete with one or multiple LiDAR-based detection sensors and a perception software module for object tracking and classification. The system analyzes the object detected, tracks its movement, classifies its type to determine whether it's human or non-human, and alerts the security agent. Q-Guard also has slew-to-queue capability to alert and guide cameras to the area of detection.

The technology is available as a stand-alone system or can be integrated with the leading video security solutions. Q-Guard complements existing camera solutions, which are often limited by range, lighting or weather conditions by detecting any potential intrusion threat within a 150 meter range, minimizing false positives and false negatives. Q-Guard enables accurate detection of objects and movements in daylight or complete darkness, and in adverse weather conditions including rain or a sandstorm.

Simulating a virtual fence, Q-Guard substantially reinforces perimeter security for critical infrastructure such as power and water stations, airports, harbors, oil refineries or any industrial premises with valuable equipment to protect from vandalism and terrorism. The technology also responds to the needs of prisons to secure their perimeters and detect any object thrown into the facility from the outside.

“Q-Guard is the ideal surveillance solution for long range 3D perimeter detection and wide field virtual fencing,” said Dr. Louay Eldada, Quanergy CEO. “With very long range detection capability and the ability to detect movement and human-size figures, our powerful intrusion detection system has the ability to diminish or even prevent attacks.”

Quanergy’s technology which enables self-driving cars, drones and robots with its 3D object detection capabilities, will display its full product line at ISC West including the S3 solid state LiDAR sensor. Quanergy’s LiDAR has applications into more than 30 market verticals including security, transportation, terrestrial and aerial mapping and industrial automation.

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 the world’s leading LiDAR sensors and software for real-time capture and processing of 3D mapping data and object detection, tracking, and classification. In transportation, the data is utilized to greatly improve the accuracy and reliability of on-board driver safety systems and enhance them with perception, scenario analysis, and decision making capability for active control, as well as enable autonomous driving in the future. Quanergy’s LiDARs lead in all six key commercialization areas (price, performance, reliability, size, weight, power consumption) while meeting the mass deployment requirement of being solid state. For more information, visit www.quanergy.com.

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