



Solution Overview

The Power of LiDAR

Smart LiDAR-based 3D sensing solutions improve safety, efficiency, and performance of key business processes while reducing costs in a wide variety of applications across 30 industry verticals. With industry-leading technologies, Quanergy enables its partners and end users to deploy innovative solutions that drive business growth—and ultimately improve the quality of life for people all around the world across these markets:



Smart Cities

Quanergy's smart city solutions accurately and anonymously capture powerful data about the movement of people and vehicles across large areas. This data is used to improve the safety and efficiency of our cities—from airport security to crowd management.



Smart Spaces

Our smart space solutions enable the development of extremely accurate people counting and queue management applications for retail stores, public transportation centers, stadiums, venues, and more.



Security

Our security solutions accurately detect, track, and classify intruder and provide out-of-the-box integration with leading VMS and PTZ camera systems to precisely pinpoint threats, reduce false alarms, and optimize security resources. Solutions include perimeter protection, access control, and surveillance.



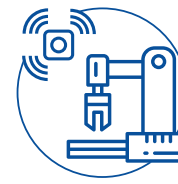
Mapping

Quanergy's mapping solutions provide accurate representation of the 3D world by generating a high-accuracy, high-resolution and extremely dense point cloud of scanned areas and objects. Our systems allow for quick, easy, and cost-effective 3D mapping in urban and rural environments, remote locations, and complex structures.



Social Distancing

Quanergy has adapted its industry-leading 3D LiDAR Flow Management platform to create accurate and effective social distancing solutions. These solutions help prevent overcrowding in public places, monitor and enforce building occupancy limits, and even track individuals with elevated temperatures—all while protecting individual privacy.



Industrial

Quanergy's LiDAR solutions increase accuracy, efficiency, and safety in industrial facilities. Built to withstand the harshest industrial environments, our solutions enable localization, obstacle detection, inspection and measurement for high precision industrial automation including port and construction site automation along with warehouse logistics.

Our Solutions: Flow Management Platform™

Quanergy's Flow Management platform provides a modular, scalable, and advanced perception platform to enable real-time analysis for people counting, object detection, classification, tracking, and more. The Flow Management platform consists of two distinct product combinations:

- **QORTEX DTC™** (Detect, Track, Classify) is paired with the M-Series to enable accurate, real-time tracking of people and vehicles for security, smart city, and smart space applications.
- **QORTEX™ People Counter** is paired with the S3-2 solid state LiDAR sensor to deliver high accuracy people counting and queue management capabilities for smart spaces and social distancing applications.

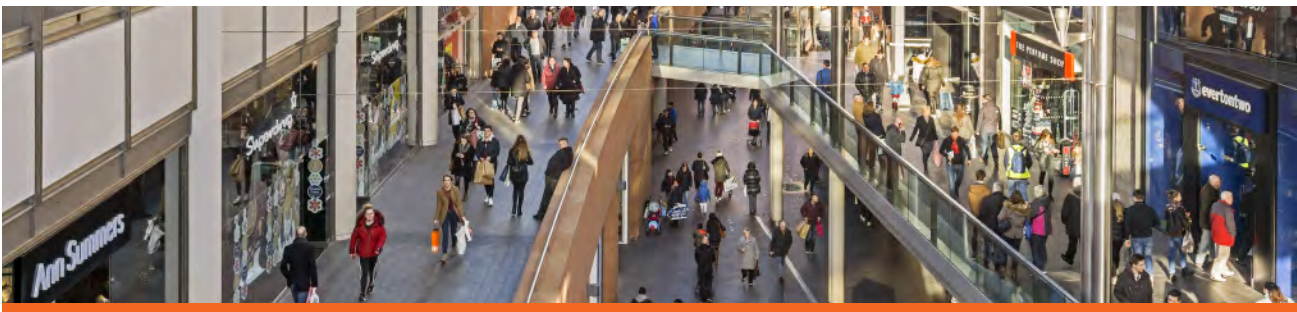
These integrated hardware/software solutions reliably solve the most challenging applications in retail, airports, public venues, commercial and government buildings, critical infrastructure, perimeter, and industrial facilities.

The Quanergy Difference



is the global leader in 3D sensing and one of the first companies to pioneer 3D LiDAR for commercialization.

Quanergy offers a high-performance, smart LiDAR platform designed to accelerate the automation of key business processes to increase productivity, efficiency, and safety of our world.

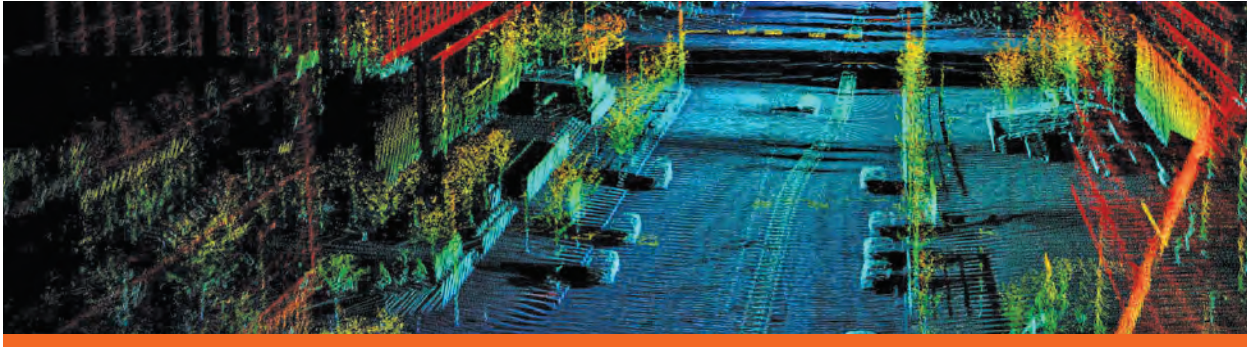


“Quanergy's M8 provided the range and accuracy none could provide. The M8 gives GeoCue's True View® system a clear advantage within the industry, and has allowed us to offer our customers the ability to capture incredible detail, from layout to elevation, for their mapping projects.

Lewis Graham,
President and CTO of GeoCue

“By bringing Quanergy's 3D LiDAR sensor data into the traffic and passenger flow modules in Genetec's unified platform, we're helping airports and other organizations address pressing needs while also unlocking new insights into their security operations.

David Lenot,
Airport Product Leader at Genetec



Our Products: Industry-Leading LiDAR Solutions

LiDAR sensors and smart perception software from Quanergy are designed from the ground up to offer the best-in-class price, performance, reliability, range, and classification accuracy.



M-Series

Leading 360° LiDAR Family for Mapping, Security, Smart Cities, Smart Spaces, and Industrial Applications

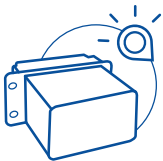
Best price-performance LiDAR in the industry

HD 3D mapping,
real time, accurate

Industry-leading
point cloud density

Long-range,
high accuracy and
fine resolution

- **M8:** Industry Leading High Performance 360° LiDAR Sensor
- **MQ-8:** Next Generation 3D LiDAR Flow Management Sensor
- **M1:** Highest Accuracy for Mid-Long Range Industrial Measurement applications



S-Series

Solid State LiDAR Family for Smart Spaces

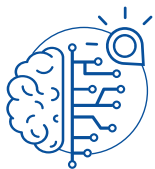
Industry's First 100% Solid State LiDAR based on patented OPA Architecture

Ultra-high capacity -
electronic beam
steering

Most robust &
reliable - no moving
or vibrating parts

Mass market price
points, low cost
CMOS silicon

- **QORTEX People Counter with S3-2:** 98% counting accuracy under any lighting conditions



QORTEX

3D Perception Software

Modular and scalable machine learning platform for LiDAR sensor perception

- Object detection, classification and tracking
- Advanced perception with deep learning
- AI-powered smart IoT