

PARTNER SOLUTION BRIEF

Quanergy & Action-CS Partner to Offer 3D Situational Awareness & Proactive Active Deterrence Systems.

Quanergy's 3D LiDAR solutions have been integrated with the Action-CS portfolio of Active Deterrent Surveillance systems, providing mutual customers with unparalleled situational awareness and insights that go beyond traditional security solutions. With over 95% accuracy, the solution can track and identify hundreds of individuals in crowded areas, a feat previously unattainable in the industry. The integration extends coverage, tracks objects continuously in large crowded spaces, reduces false alarm rates, and reduces operational costs for physical security deployments.

The integration with the Action-CS Active Deterrent System enables a wider audience to benefit from 3D LiDAR sensing. Action-CS end-users will now have access to the Q-Track sensors and QORTEX DTC™ perception software, which enables high accuracy and efficiency for the classification of vehicles and people. The LiDAR sensors are accurate and reliable in all weather and lighting conditions, making them ideal for indoor and outdoor security applications. When paired with PTZ cameras, surveillance operators can take advantage of advanced "slew to cue" functionality. With centimeter level accuracy. Combined with Action-CS we can trigger audible alerts as well as a visual LED strobe to ward off bad actors.

Benefits of Quanergy's Security Solutions

Quanergy's solution focuses on reducing costly false alarms and combating alarm fatigue. It provides actionable insights with hyper-accuracy, allowing operators to prioritize and focus on real threats. The solution can enhance existing camera-based perimeter intrusion detection systems, accurately locating potential intruders, and addressing all major mission-critical security use cases.

By deploying Quanergy's solutions, customers can significantly reduce the number of false alarms and allocate resources more efficiently, leading to substantial annual savings. Furthermore, Quanergy's solutions prioritize ease of use and deployment for the security industry, making it easy for customers to scale and future-proof their deployments.

KEY USE CASES

- PIDS (Perimeter Intrusion Detection)
- Fence, wall & rooftop protection
- Parking lot surveillance
- Continuous tracking of individuals in large and/or crowded areas
- Asset protection in areas of high security
- Construction site surveillance

KEY MARKETS

Critical Infrastructure

- Data Centers, Utilities, Energy, Power Plants, Prisons, Airports, Military Bases, Bridges, Tunnels, Highways, Dams

Enterprises

- Pharma, Manufacturing, Delivery Services, Distribution Centers, Museums, Large Residential Private Properties



Detect. Track. Classify.

TECHNICAL OVERVIEW

Quanergy events trigger alarms directly to PTZ cameras or within a VMS to automate actions such as PTZ slew to cue, voice down alerts, or trigger LED strobe lighting.

LIDAR

Emits pulsed laser light; time-of-flight receiver measures reflected pulses

OBJECT

Illuminated by laser

POINT CLOUD

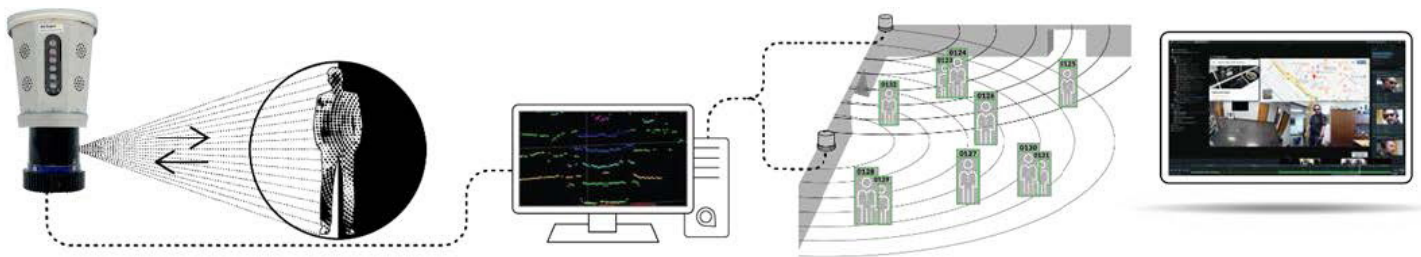
Real-time 3D imaging

CLASSIFIED OBJECTS

Real-time 3D imaging

BEST NEXT ACTION

Quanergy events trigger VMS actions to automate operational outcomes i.e., trigger PTZ preset



REQUIREMENTS

- Quanergy Q-Track Sensor(s)
- Quanergy Qortex Server (v2.2 or v2.3)
- Action-CS Interior or Exterior Retro Kits with associated adapters as needed

Action-CS Active Deterrence & Active Engagement



Action-CS empowers automation of security at the next level. With immediate notification to personnel on the ground, where responding to an event and getting real time directions or to dissuade intruders and notify them that they have entered a secure area. Action-CS is your human interface enabling the last mile protection of your site, property, personal, and patrons, Simply, easily, and plug-n-play without costly infrastructure upgrades. Making deployment of your next generation security system a breeze!

BENEFITS OF ACTION-CS DETERRENT SYSTEMS

- Single ethernet cable to run the Quanergy Sensor and up to (1) 60 watt camera or (2) POE+ cameras with Audio card and horn
- Ease of deployment
- Integrates seamlessly with any IP camera on the market today
- No need to run additional cabling
- Full spectrum RGB/Flash Patterns/intensity control of LED's
- Advanced messaging with tiered messaging and 2 way audio integration into almost any platform