



# Q-Track™ Protecting Data Centers with Real-Time 3D Awareness

## See Every Threat. Protect the Nines.

In today's hyperscale and edge data centers, uptime is non-negotiable and physical security is part of the SLA. It's about stopping intrusions, controlling access, and maintaining real-time awareness of people and spaces while protecting privacy. Quanergy's Q-Track™ LiDAR turns the campus, roof, and white space into a responsive environment by delivering accurate 3D insight in any light or weather. From perimeter and rooftop protection to tailgating prevention, corridor tracking, and man-down alerts, Q-Track gives your SOC richer signals with fewer false alarms and less power per insight.



## Applications

### ▪ Perimeter & Rooftop Intrusion Detection

**Virtual Perimeter Protection:** Establish invisible, customizable 3D boundaries along fence lines, gates, rooftops, ladders, hatches, and HVAC/cooling assets. Real-time alerts are triggered the moment those boundaries are breached for climbs, cuts, tosses, or loitering.

**After-Hours Monitoring:** Maintain full situational awareness in total darkness or low light, with fewer false alarms than motion sensors or video analytics; ideal for quiet hours and weekends.

### ▪ Access Security & Insider Threat Defense

**Tailgating Prevention:** one-in/one-out enforcement via 3D counting per door/mantrap cycle; alarms on multi-pass, shadowing, or occupancy over set limit.

**Insider Threat Detection:** Detect off-hours movement and unauthorized presence in sensitive rooms using real-time 3D object detection. Send instant alerts to your VMS and access control systems no faces, no PII.

### ▪ People Flow and Occupancy Intelligence

**Corridor Tracking:** Monitor direction, speed, and dwell across hallways, loading docks, and equipment corridors. Escalate on wrong-way travel, loitering, or running.

**Room Occupancy & Man Down:** Deliver real-time counts in MCRs, UPS/battery rooms, and meet-me spaces. Detect no-motion "man down" patterns and trigger immediate assistance.

### ▪ Asset Protection and Environmental Awareness

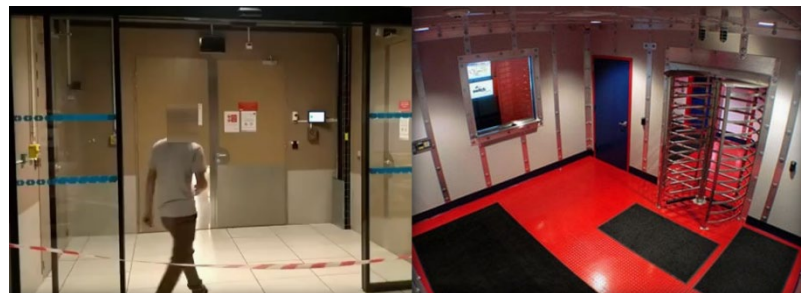
**Critical Asset Proximity Alerts:** Notify staff when anyone approaches racks, fiber conduits, cages, or rooftop equipment without authorization.

**Automated Workflows:** Integrate with BMS, VMS, and SOC tools to trigger lighting, recordings, door states, ticketing, and notifications automatically.

### ▪ Emergency Preparedness and Real-Time Response

**Live Occupancy Visualization:** Give responders instant visibility to speed evacuations and mustering while maintaining privacy.

**Incident Review & Planning:** Review historical paths in your SIEM to refine SOPs, drills, and egress routes capturing facts, not footage.



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