



Quanergy Q-Track™: Privacy-First 3D LiDAR for Global Compliance

Total Awareness. Zero Personal Data.

Quanergy's Q-Track™ 3D LiDAR delivers real-time, centimeter-level detection and tracking for security, safety, and operational intelligence without collecting, storing, or processing personally identifiable information (PII).

Unlike facial recognition or video analytics, Q-Track™ does **not** capture HD RGB images, facial features, skin tone, license plates, or any biometric identifiers. Instead, it uses anonymous, laser-based point clouds to detect and track objects in 3D space.

Global Privacy Alignment

Q-Track™ is inherently aligned with leading global privacy and data protection frameworks, including:

- **GDPR** – EU General Data Protection Regulation (data minimization, lawful basis, purpose limitation)
- **BIPA** – Illinois Biometric Information Privacy Act (no biometric identifiers collected)
- **CPRA** – California Privacy Rights Act (no “sensitive personal information” or biometric data)
- **PIPEDA** – Canada’s Personal Information Protection and Electronic Documents Act (non-identifiable data only)
- **APPs** – Australia Privacy Principles (privacy by design, no personal data processing)
- **LGPD** – Brazil’s Lei Geral de Proteção de Dados (no personal data collection)
- **PDPA** – Singapore, Thailand, and other APAC jurisdictions (compliance by default)

Ethical Technology Principles

Quanergy’s privacy-first approach is anchored in five core commitments:

Transparency: Clearly communicating capabilities, limitations, and privacy benefits

Data Minimization: Capturing only what is required to achieve operational objectives

Non-Discrimination: LiDAR is identity-neutral; it cannot detect race, gender, or ethnicity

Security by Default: Encrypted outputs, plus role-based access controls

Customer Autonomy: Customers fully own, manage, and delete their data

Key Privacy Advantages

Non-Identifying Data Capture

- Uses LiDAR pulses, not visual cameras
- Creates a 3D “point cloud” no identifiable imagery, no facial features, no voice/audio capture
- Cannot be reverse engineered into a human-recognizable image

Privacy Compliance by Design

- No biometric or personal identifiers – automatically outside the scope of biometric-specific laws
- Supports data minimization and purpose limitation principles under GDPR, CPRA, LGPD, PDPA, and others
- Exceeds BIPA’s strict biometric consent and retention standards by collecting zero biometric information

No Hidden Surveillance Risks

- No covert recording of identifiable images
- System use can be disclosed openly without triggering consent or notice obligations for **biometric data**

4. Customer-Controlled Data

- All detection/tracking data remains with the customer. Quanergy has no access or retention rights
- No data storage, instant analysis with zero retention risk.

Why This Matters

In a world of strict privacy laws, from GDPR to CPRA, BIPA, PIPEDA, APPs, and LGPD, Q-Track™ delivers advanced intrusion detection and flow intelligence without collecting biometric data. Protect people, assets, and operations while staying compliant worldwide.