



7 Tips for Smarter Museums

Essential strategies to enhance safety, protect artifacts and heighten visitor satisfaction



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Museums are cultural hubs that face the challenge of ensuring visitor safety and protecting priceless artifacts, all while maintaining an inviting atmosphere. Traditional security methods can sometimes be obtrusive and detract from the visitor experience.

Quanergy's 3D LiDAR technology offers a modern, discreet solution that enhances security, optimizes visitor flow, and provides real-time data, all without disrupting the museum environment. Here are seven insights on how Quanergy 3D LiDAR sensors can transform museums into smart spaces.

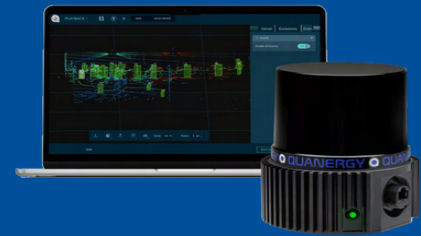
1. Maintain a Welcoming Atmosphere:

Our small, discreet 3D LiDAR sensors provide robust surveillance without intrusive security measures, helping preserve a warm and inviting environment for visitors.

2. Optimize Visitor Flow:

Real-time data from Quanergy 3D LiDAR sensors lets museums better manage visitor traffic, prevent overcrowding, optimize valuable exhibit spaces, and enhance the overall visitor experience, especially during peak times.

What is 3D LiDAR?



3D LiDAR (Light Detection and Ranging) sensors use laser pulses to map distances, measuring the time they take to bounce back from objects. This creates precise 3D images, to best detect and track movements with high accuracy.

3D LiDAR delivers:

- **Real-Time Insights:** Optimize security, visitor flow management and personnel resource allocation.
- **Comprehensive 360° Coverage:** Eliminates blind spots indoors and outdoors for more efficient surveillance, security and facility operations.
- **Privacy Compliant:** Respect visitor privacy with non-intrusive data collection.
- **Cost-Efficient:** With 25% Lower CapEx and 50% Lower Annual OpEx, current users are realizing significant reductions in operations costs by decreasing false alarms and manual interventions.
- **Seamless Integration:** Works with existing systems and infrastructure for fast and easy implementation and scalability.

Smarter Spaces = Safer Museums

3. Ensure Uninterrupted Surveillance Operations in All Conditions:

Whether indoors or outdoors, in low light, fog, or smoke, Quanergy 3D LiDAR sensors function effectively in virtually any environmental conditions, providing consistent surveillance and security 24/7/365.

4. Prioritize Privacy and Compliance:

Our innovative 3D LiDAR solution collects spatial data without capturing personal information, helping museums comply with privacy regulations such as GDPR and CCPA.

5. Implement 360° Monitoring:

Quanergy 3D LiDAR sensors provide comprehensive spatial awareness indoors and outdoors, eliminating blind spots and ensuring effective security and surveillance coverage throughout the museum.

6. Protect Valuable Exhibits:

Quanergy 3D LiDAR sensors continuously and simultaneously track the movements of up to 1000 people/targets with extreme precision, enabling real-time detection of unusual behavior around sensitive areas, ensuring artifacts remain secure.

7. Gain Real-Time Operational Insights:

Use data from Quanergy 3D LiDAR solutions provide actionable intelligence to make better informed decisions on staffing, exhibit placement, and visitor flow, improving overall operational efficiency.



Ready to transform your museum into a smarter, safer space?

Discover how Quanergy's 3D LiDAR technology can enhance security, improve visitor flow, and streamline operations.

Contact us today for a consultation!

To learn more, visit our Museum Smart Spaces resources page [here](#).

