

Pure Solid State Scanning LiDAR



Smarter Security for Data Centers

Opsys' LiDAR platform, the ALTOS, combines **edge intelligence**, true solid-state scanning LiDAR reliability, and a **cost-efficient design**, to deliver next-generation security within reach of any facility. The solution provides real-time, **4D awareness without capturing biometric or textual information**, ensuring protection that is anonymous and ideally suited for sensitive and classified environments. Opsys provides a **virtual escort** for further major cost reduction.



ALTOS Benefits: All-In-One Solution (Sensing, Analytics & VMS)

- 🕒 **Privacy First** – Unlike cameras, LiDAR never captures faces, personal details, or readable text. It's inherently anonymous - perfect for **sensitive and classified environments**
- 🕒 **Edge Intelligence** – Processing at the sensor means **simpler networks, lower bandwidth, and faster response times**
- 🕒 **Affordable & Scalable** – Designed for **cost-efficient deployment** across single or multi-site operations
- 🕒 **All-in-One Solution** – Built in detection, tracking and classification are. No extra servers or licenses required
- 🕒 **Instant Awareness** – Real-time alerts and overlays stream straight into your VMS for **instant alarm verification**
- 🕒 **Easy to Deploy** – Installs like CCTV with standard mounts and cabling. Less training, faster rollout
- 🕒 **Rugged & Reliable** – **True solid-state design ensures maintenance-free, 24/7 operation** in any environment.



Easy to deploy
Camera-like



Leading VMS
Integration



Cost-saving
Semiconductor-based



High-resolution
Centimeter-level accuracy



Industrial-grade
High-performance (IP67)



Infinitely scalable
Affordable technology



Actionable insights
Real-time digital twin



No moving parts
Highly durable



Ultra-fast scanning
30 FPS post 16/32 averaged



Low power consumption
Cost-saving

Use Cases For Data Centers Include



Fenceline Protection

Detect & track attempts to climb, dig, or cut through fences



Drone Incursion

Identify & monitor unauthorized aerial approaches



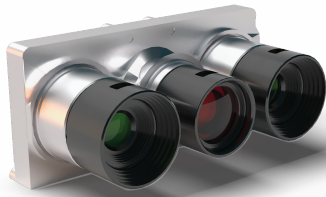
Vehicle Gate Security & Automation

Monitor & automate vehicle access points with precision



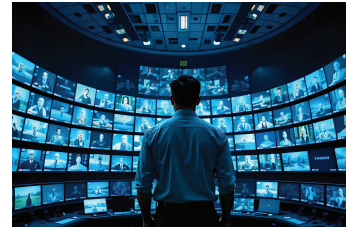
Regular Access Control Points

Strengthen security at building entrances & staff checkpoints



Red-Zone Access Control Points

Add an extra layer of protection for high-security areas, including automated mantraps to prevent tailgating and unauthorized passage



Red-Zone Virtual Escort

Monitor personnel in restricted areas in real time



Server-Access Detection

Detect unauthorized presence or activity directly at the rack level

Why LiDAR Is The Technology Solution For Data Centers

- **Enhanced Perimeter Security:** LiDAR provides precise 4D mapping (as opposed to cameras which are only 2D) and real-time detection, enabling quick identification of unauthorized access points
- **24/7 Surveillance:** LiDAR operates effectively in all lighting conditions, including complete darkness, ensuring continuous monitoring
- **Improved Incident Response:** Rapid detection and accurate localization of threats allows swift response, minimizing potential damage
- **Reduced False Alarms:** Advanced algorithms in LiDAR systems help differentiate between genuine threats and benign movements, reducing false positives
- **Non-Intrusive Monitoring:** LiDAR operates without physical contact or visual cameras, preserving privacy while maintaining high-security standards
- **Integration with Security Systems:** Seamlessly integrates with existing security infrastructure for a comprehensive surveillance solution
- **Cost-Effective Long-Term Solution:** Reduces the need for multiple security layers by providing reliable, scalable, and maintenance-efficient monitoring.



The world's most advanced solid state scanning LiDAR

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