

# Pure Solid State Scanning LiDAR



## For Perimeter Security

Opsys' ALTOS Smart LiDAR technology delivers next gen intelligence for security. By delivering **4D actionable insights, detection, movement, and classification**, directly from a compact, true solid-state sensor, the ALTOS enhances existing infrastructure while reducing total cost of ownership. Its discreet form factor allows seamless deployment in sensitive environments, while **built-in perception** and **VMS integration** enable event-driven security with fewer false alarms.

With a low power design, the ALTOS works for **solar-powered deployments**, while a true solid-state architecture ensures **rugged reliability** in the most demanding environments.

ALTOS installs just like CCTV, using **industry-standard mounts and cabling**, so integrators can deploy quickly with minimal training. With **built-in integration for leading VMS platforms**, ALTOS easily extends existing security infrastructure. Operators can verify coverage instantly through ambient, intensity, and point cloud views, for an intuitive and confidence-inspiring set up.



### Core Features:

- Leading VMS integration
- PTZ camera slew-to-cue
- Real-time detection and tracking
- Object classification
- Event-based triggers
- False alarm reduction



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



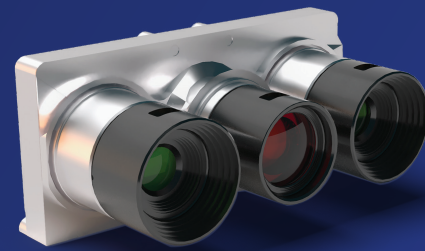
Ultra-fast scanning  
30 FPS post 16/32 averaged



Low power consumption  
Cost-saving

# ALTOS Key Benefits

- ⦿ **All-in-One Solution:** Built-in perception and processing; no external computer or cabinets required, reducing cost and complexity
- ⦿ **Low SWaP (Size, Weight, and Power):** Compact, lightweight, and energy-efficient to supports solar-powered and mobile deployments
- ⦿ **Low Bandwidth:** Built-in processing cuts data down to a fraction of the size, making it easier to scale across sites without straining bandwidth
- ⦿ **True Solid-State Design:** No moving parts provides rugged reliability, low maintenance, and long operational life life (MTBF > 160,000hrs)
- ⦿ **Industry-Standard Mounts & Cabling:** Installs like CCTV; faster deployments, minimal training for installers
- ⦿ **VMS Integration:** Pre-integrated with leading VMS providers for seamless adoption into existing security workflows
- ⦿ **Multiple Viewing Modes (2D, Intensity, and 3D Point Cloud):** Operators can instantly verify coverage and adjust placement to reduce setup time and ensuring confidence in performance
- ⦿ **Instant Feedback:** Built-in alternate viewing modes available as a standard RTSP stream with dynamic overlays instant verification of alarms inside the VMS without additional software
- ⦿ **PII Compliant:** LiDAR captures shapes, movement, and classification; no biometric details for privacy-friendly security without storing personal data.

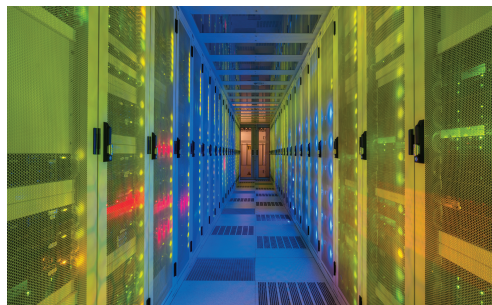


## Use cases include

Correction Facilities



Data Centers



Borders



## ALTOS: High performance at low cost

From perimeter intrusion detection, access control automation to Smart surveillance and 24/7 security monitoring, ALTOS is the **compact, future-proof sensor platform** that scales from raw data to complete security solutions.

The world's most advanced solid state scanning LiDAR

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