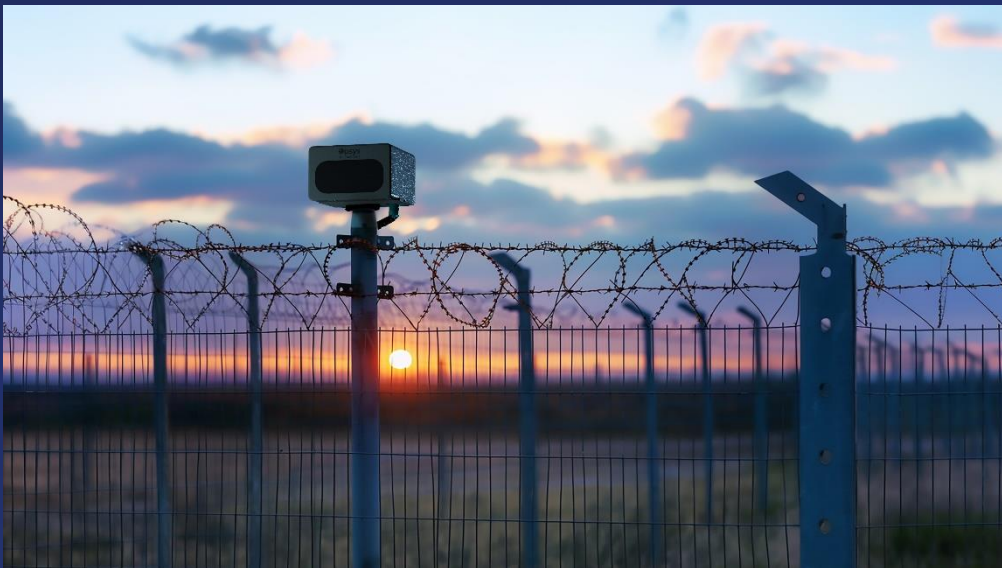# Opsys Technologies

Pure Solid State Scanning LiDAR

Security & Safety

LiDAR is the sensor technology for Security as it provides 4D actionable insights to optimize existing infrastructure for cost savings too. Opsys LiDAR's compact size makes it discrete so it can go relatively unnoticed. Applications are endless for security sectors such as prisons, borders, military bases, mines, intrusion detection, data centers, airports security and powers stations.

Opsys' industrial LiDAR, ALTOS, has no moving parts, making it more robust as there are no mechanical failures over time.

Easy to deploy
Camera-like

Compact
Aesthetically-pleasing

Cost-saving
Semiconductor-based

High-resolution
Centimeter-level accuracy

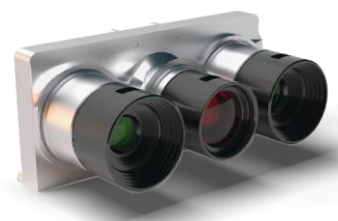**Industrial-grade**
High-performance (IP65)

Infinitely scalable
Affordable technology

Actionable insights
Real-time digital twin

Benefits of ALTOS include:

- Removes concerns for citizen privacy: no biometric (demographic) data captured
- Extreme reliability: at an affordable cost for mass production
- Discrete: the small form factor eliminates the need for heavy specialized mounts
- Pure Solid State (camera-like): making it familiar and easy to install
- A fourth dimension provided: intensity and ambient data captured via an infra red camera
- Transforms legacy systems into smart systems: with actionable 4D insights
- Smart design features: incl. POE, built-in intelligence (no exotic materials used, so no supply concerns)

ALTOS: high performance at low cost

- Opsys' patented technology is semiconductor-based, making it extremely cost-effective as it only requires a small amount of power

- No moving parts allows for 24/7 operation with no limitation for EOL performances/no mechanical failures over time, which also provides great value for money

- Point by point scanning increases 'signal to noise ratio' and 'single point probability of detection'

- The LiDAR can operate in harsh environments, in a wide temperature range

No moving parts
Highly durable

Ultra-fast scanning
30 FPS

Low power consumption
Cost-saving

Correction Facilities

Data Centers

Healthcare

Airports

Perimeters

Education

Use cases include:

- **Security:** Intrusion Detection, Borders, Public Safety, Healthcare, Education, Prisons, Mines, Data Centers, Airports
- **Transportation:** Speed Enforcement, Flow & Safety For Airports, Rail Stations, Green City Bike Lanes, CV2X,
- **Industrial:** Robotics, Smart Factories, Factory Safety, Production & Automation, Heavy Machinery, Yard Dogs
- **Smart Cities:** Intelligent Traffic Systems, Urban Planning, Stadiums, Transport Terminals, Digital Advertising, EV Charging

The world's most advanced solid state scanning LiDAR

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Opsys Technologies