

Edge AI ALPR for Proactive Public Safety

Edge AI Automated License Plate Reader (ALPR) Platform

The Edge AI Automated License Plate Reader (ALPR) Platform delivers real-time, actionable intelligence for municipalities and public safety agencies by transforming raw video into trusted vehicle insights at the point of capture.

Deployed on rugged edge systems powered by Intel® Xeon® 6 processors, the platform uses computer vision, YOLO models, and OCR optimized with the OpenVINO™ toolkit and Geti™ to achieve 95%+ daytime accuracy and sub-2ms latency¹. By processing data locally, it enables immediate alerts, faster investigations, and privacy-by-design compliance through encryption, tokenization, and strict audit controls.

Iolaire.ai's scalable micro-data center architecture powered by Ten Sparrows reduces backhaul costs, supports integration with law-enforcement systems, and continuously adapts to changing conditions—helping cities move from reactive monitoring to proactive public safety.



Privacy-first edge AI turns traffic video into real-time, actionable safety intelligence.

Key Intel-Enabled Features



Real-Time Edge Inference



Privacy-by-Design ALPR



Secure AI Edge Platform



Policy-Driven Data Access

Accelerate Business Transformation with Optimized, Ready-to-Deploy, Intel-Powered AI Partner Solution

- Intel® Xeon® 6 processors power scalable AI inference at the traffic edge.
- OpenVINO™ optimizes YOLO and OCR pipelines for efficient AI execution.
- Geti™ streamlines model training, tuning, and deployment workflows.
- Local processing helps deliver faster alerts to responders.



Intel Products and Technologies

- [Intel® Xeon® processors](#)
- [Geti™](#)
- [OpenVINO™ toolkit](#)

Ordering Guidance: [Contact Us](#)

Country/Geo: US/Canada

Edge Verticals: Video Safety & Critical Infrastructure; Places of Worship; Transportation; Manufacturing & Robotics; Retail; Health & Life Sciences; Education

Edge Use Cases: Video Analytics; Smart Parking; Smart Tolling; Traffic Flow Optimization; Hazard Detection; Crowd & Event Monitoring; Anomaly Detection; Digital Campus; Image Analysis

Learn more:

- [Ten Sparrows Website](#)

Notices & Disclaimers:

Intel technologies may require enabled hardware, software or service activation. // No product or component can be absolutely secure. // Your costs and results may vary. // Intel Statement on Product Usage: Intel is committed to respecting human rights and avoiding causing or contributing to adverse impacts on human rights. See Intel's [Global Human Rights Principles](#). Intel's products and software are intended only to be used in applications that do not cause or contribute to adverse impacts on human rights. © Intel Corporation, Intel, the Intel logo, Intel Core, and other Intel marks are trademarks of Intel Corporation or its subsidiaries. Other names and brands may be claimed as property of others.

¹ Intel does not control or audit third-party data. You should consult other sources to evaluate accuracy.