

Real-Time Parking Intelligence Powered by Edge AI

AI Assisted Valet Parking

AI Assisted Valet Parking transforms traditional parking operations into a real-time, intelligent monitoring environment using edge-based computer vision. The solution applies YOLO-powered deep learning models to automatically detect vehicles, license plates, parking occupancy, and safety events—eliminating manual oversight and delayed response. Running on Intel® Core™ processors, performance is accelerated through OpenVINO™ toolkit and OpenCV optimization, enabling low-latency inference on integrated Intel® GPUs. This architecture delivers real-time alerts, accurate occupancy insights, and actionable analytics while reducing labor costs and human error. Flexible APIs allow seamless integration with existing parking, security, and BI platforms, supporting scalable deployment across single facilities or multi-site environments with consistent visibility and control.



Edge-based vision AI for real-time parking detection, alerts, and seamless system integration

Key Intel-Enabled Features



Real-Time Vision



Edge AI Optimization



Low Latency Video AI



Scalable Edge Deploy

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

- Intel CPUs provide reliable low latency edge inference for computer vision tasks
- OpenVINO™ toolkit optimizes models to achieve efficient inference on edge systems
- Low-latency processing enables real-time alerts for critical events
- Intel-based architectures support consistent scaling across distributed edge sites

Intel Products and Technologies

- [Intel® Core™ Processors](#)
- [OpenVINO™ Toolkit](#)

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Vertical Markets: Video Safety & Critical Infrastructure, Transportation

Use Cases: Smart Parking, Video Analytics

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