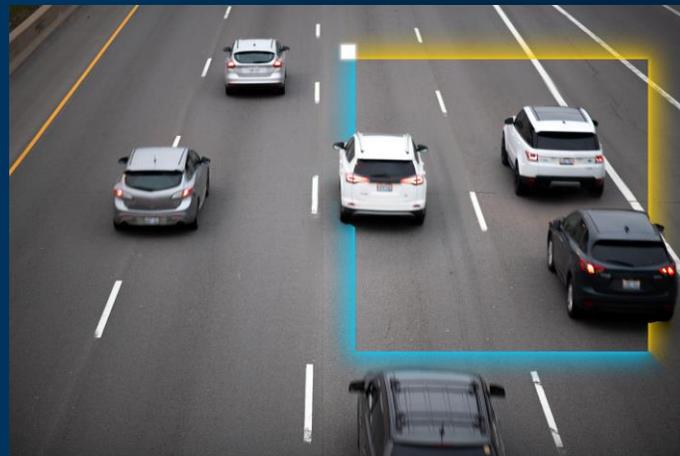


Real-Time Highway Incident Detection and Response

Automated Incident Detection by Intellisession®



“Intel’s CPU AI tools help us build scalable, efficient ITS analytics for global planners.”

Automated Incident Detection by Intellisession® is an advanced video intelligence solution for proactive traffic monitoring and incident management. It detects traffic jams, accidents, wrong-way driving, and more, enabling swift responses to keep roads safe and efficient. Camera-agnostic and designed for easy integration with existing infrastructure, it is interoperable with other ATMS and VMS software platforms. Features include real-time alerts, vehicle classification, traffic data collection, and scalable floating licenses, making it a flexible, cutting-edge tool for modern traffic management.

Powered by Intel’s CPU-based AI optimization tools, the system ensures high performance while maintaining a compact computational footprint, eliminating the need for costly GPUs. Edge optimization enables efficient processing on low-power devices, reducing installation costs and energy consumption. Intel’s OpenVINO™ toolkit also enhances cross-hardware portability, simplifying deployment of trained neural network models across multiple Intel platforms. This collaboration with Intel delivers robust ITS analytics that elevate highway safety and supports evolving traffic management demands.

Key Intel-Enabled Features



AI Incident Detection



AI Vehicle Classification



AI Pedestrian Detection & Tracking

Powered by Intel technologies, Intellisession:

- Enables acceleration on edge devices without discrete GPU hardware
- Runs fast inference on Intel CPUs, cutting cost and power use
- Simplifies deployment across heterogeneous edge environments
- Tools optimize models via quantization, pruning, and conversion

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