

Enhance Traffic Flow, Accuracy, Safety with AI-Based Video Analytics

Kapsch Roadside Video Solutions

Kapsch Roadside Video solutions, including VDX and VRX, deliver high-performance, autonomous detection and classification of vehicles, combined with precise license plate recognition. These "all-in-one" devices optimize Electronic Toll Collection (ETC) for pure video tolling or in conjunction with DSRC/RFID/GNSS systems and empower Intelligent Transportation Systems (ITS) like traffic surveillance, road safety enforcement, and electronic vehicle registration.

Featuring on-board deep-learning video analytics and robust design, they ensure high accuracy, data security, and seamless integration with Kapsch tolling services. Designed for high availability and redundancy, they minimize infrastructure while maximizing operational efficiency across diverse road environments. Intel® Core™ and Intel® Xeon® CPUs help Kapsch deliver fast, reliable traffic analytics and V2X capabilities.



Stereoscopic 3D tracking in Kapsch VDX ensures unmatched accuracy in vehicle detection and classification – even in dense traffic.

Key Intel-Enabled Features



Autonomous Detection



LPR Accuracy



Multi-Lane Coverage



On-Board Analytics

accelerated by **intel**

Powered by Intel technologies, Kapsch Roadside Video Solutions delivers:

- **Advanced Vehicle Detection & Classification:** AI-powered precise volumetric categorization and identification
- **Integrated All-in-One Unit:** Self-contained system for ANPR/LPR, vehicle detection, and enhanced scene perception

Intel Products and Technologies

- [Intel® Xeon® Scalable Processors](#)
- [Intel Atom® Processors](#)
- [Intel® Core™ Processors](#)
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Country/Geo: Worldwide

Verticals: Government, Security, Transportation

Use Cases: Commercial / Enterprise, Logistics & Tracking, Asset & Operations Optimization, Situational Monitoring

AI Workload: Machine Learning

Learn more:

- [Kapsch Website](#)

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