

Intelligent Traffic Systems Improving Traffic Experiences

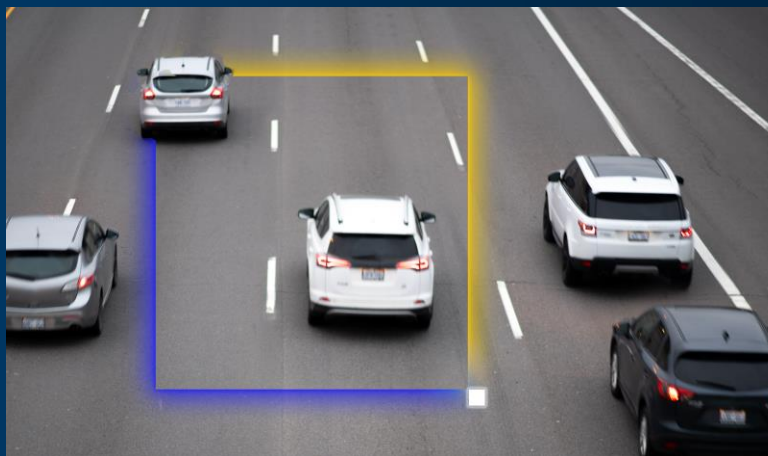
iQ-Roads

iQ-Roads delivers next-generation traffic management to reduce congestion, enhance safety, and improve mobility across urban and highway networks. Available in Basic and Advanced configurations, it integrates seamlessly with existing infrastructure while applying iOmniscient's patented analytics for superior performance.

At its core is NAMS (Nuisance Alarm Minimization System), a breakthrough that filters irrelevant data, compresses massive video streams, and ensures only actionable intelligence drives decision-making. This "making big data small" approach reduces GPU dependency, cuts storage and bandwidth by up to 90%, and accelerates processing efficiency.¹

Advanced iQ-Roads extends capabilities with multi-camera spatial-temporal analytics, including speed monitoring, congestion detection, headway analysis, intrusion, wrong-way alerts, and object recognition.

Designed to scale from tunnels to highways, iQ-Roads provides cities and agencies with a modular, efficient, and future-ready platform for smarter road networks.



Reduced
response time
to incidents and
better traffic
management.

Key Intel-Enabled Features



Safer
Roadways



Faster
Response
Time



Smarter Road
Networks



Road
Conditions
Insights

Powered by Intel technologies, iQ Roads delivers:

- Reliable performance for edge applications using Intel® Core™ CPUs
- USB Type-C PD 60W enables power and data through a single cable
- Intel platform integration reduces cabling and simplifies setup
- Boosted edge computing efficiency and reliability

Intel Products and Technologies

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

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Country/Geo: Worldwide

Verticals: Transportation, Government

Use Cases: Situational Monitoring, Asset & Control Optimization

Learn more:

- [iQ Roads Solution](#)
- [iOmniscient Website](#)

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