auto Intellect

Monitoring vehicle traffic with Intellect Enterprise

Monitoring, controlling and managing traffic or vehicle fleets is critical for successful transportation operations, for both public agencies and commercial companies. Perhaps your agency is responsible for law enforcement and must track public and/or government-issued vehicles as part of crime reduction efforts. Or perhaps you need to track vehicles and manage on-site car parking spaces and warehouse traffic in real time. To keep your wheels on the road, you need a solution tailored to your specific transportation and traffic challenges.

Axxon's Auto Intellect will keep your transportation system on course. Our solution easily interfaces with your existing hardware and software, no matter what type you have. Simple installation, easy setup, and increased accessibility are yours with Auto Intellect.

Traffic Monitoring

Traffic congestion is a constant challenge for both public services and commercial enterprises.
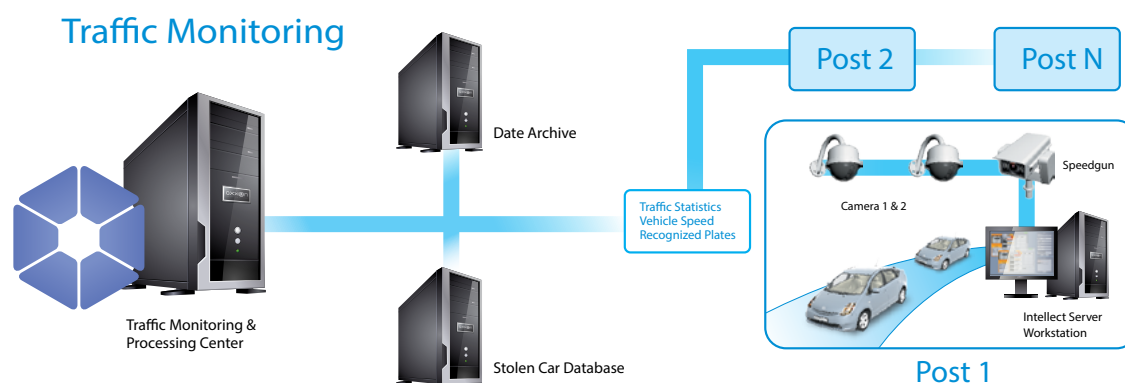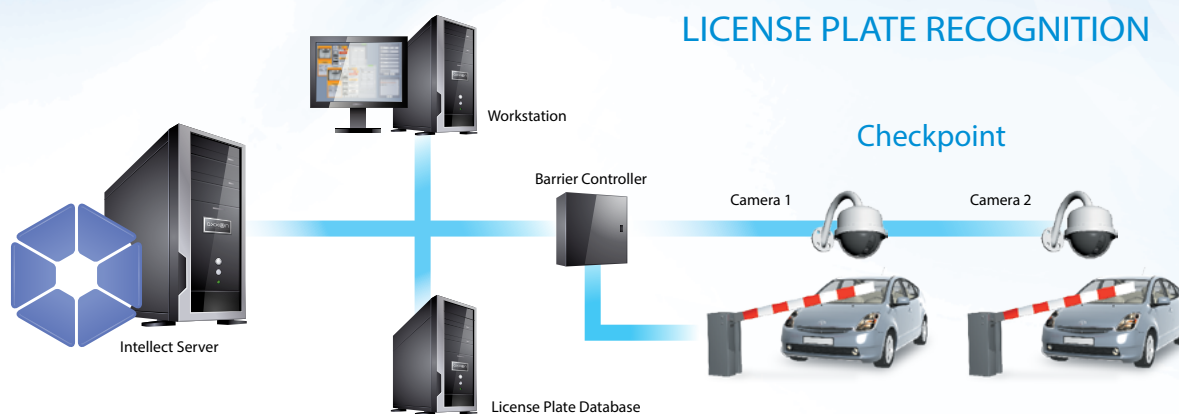
License plate recognition

- Max. vehicle speed: up to 250 km/h
- Accuracy: above 95%
- Recognizes many types of license plates containing Arabic, Latin, Cyrillic, Chinese, and Korean characters
- Integration with access control systems
- Blacklist check
- Speedgun integration

Traffic monitoring

- Traffic statistics collection and analysis
- Recognition of vehicle types
- Automatic detection of traffic violations

With Auto Intellect, there's no need to spend large amounts of time, money and manpower to uncover and solve problems. Intelligent transport and traffic detectors give you the real-time data you need to keep your transportation network in motion – and prevent problems before they start.

License Plate Recognition

Powered with Recognition technologies, the system recognizes and logs car license plates – even on moving vehicles – and compares them to a database. It also logs all vehicles that pass through a specified zone, records an image of the car and plate, and notes the date, registration time, and direction of each vehicle.

Use LPR to identify stolen or hijacked vehicles, automate transport registration, and provide access control at secured locations. You can even use it to plan out and monitor important parking areas. For automated parking lots, Auto Intellect saves money and provides even more features. Identify vehicle owners, collect payments, and increase security automatically.

Auto Intellect System Diagram

LICENSE PLATE RECOGNITION

Workstation

Checkpoint

Barrier Controller

Camera 1   Camera 2

Intellect Server

License Plate Database

Traffic Monitoring

Date Archive

Post 2   Post N

Traffic Statistics
Vehicle Speed
Recognized Plates

Speedgun

Camera 1 & 2

Traffic Monitoring &
Processing Center

Stolen Car Database

Intellect Server
Workstation

Post 1

Auto Intellect Technical Specifications

License plate recognition

Maximum vehichle speed	Up to 250 km/h
Quality of recognition	Above 95%
Archive Search	- by recognized number - by notes - by period of time - by speed of vehicle
External database connection	- blacklist - stolen cars - granted access

Traffic Monitoring

Automatic event detection	- speeding - forbidden stop - driving in oncoming lane - forbidden vehicle type - stop behind stop line
Recognition of vehicle types	- small vehicles - medium vehicles - big vehicles

Supported countries	- Recognizes many types of license plates containing Arabic, Latin, Cyrillic, Chinese, or Korean characters - More than 200 countries supported

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