

OUR PRODUCT

XTransport



Vehicle Counting & Classification

The results from vehicle tracking, counting and classification could be useful in many different applications, e.g. measure traffic density, traffic flow, traffic events. Vehicle counting are mainly used in the transportation departments, including the following application industries: The traffic control department, traffic planning department, traffic investigation department and so on.

XTransport Technology

XjeraLabs XTransport system is an advanced intelligence analysis system for monitoring vehicle flow. Based on the vehicle identification technology, the system can accurately count the number of vehicles and provide information such as vehicle type, vehicle speed, and direction of vehicle flow.

XTransport Technology including the following applications:

- Vehicle counting and classification
- Junction delay, traffic jam and queuing time
- Stationary vehicles, illegal parking cars and reversing cars
- Traffic incident detection
- Foreign objects and debris on the road.

Our system is robust to tree and vehicle shadows, shaking of cameras, over-exposed night conditions, reflections due to water on the ground, and effective on low-resolution videos etc.

Our system constantly achieves a performance of over 90% and is able to generate traffic report in different formats. XTransport system is able to integrate with different video management system.

Videos to Insights



Figure 1

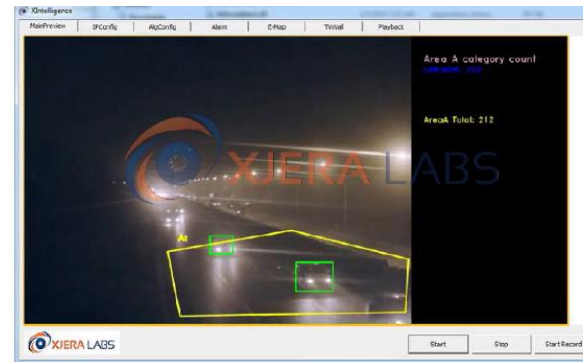


Figure 2

Figure 1 (day) & Figure 2 (night) show the UI of the XTransport software that types and numbers of vehicles are counted automatically.

XTransport is able to perform well under heavy rain or haze conditions.



XjeraLabs XTransport Advantage

- Constant high accuracy in most imaginable cases , e.g. different environmental & illumination conditions
- Vehicle classification, automatically count vehicle into different classifications, e.g. car, van, bus, lorry, etc.
- Centralized management system at control station.