M³ MODULE: OVERTAKING

Overtaking is the act of a **vehicle passing another slower moving vehicle**, in a legal passing zone, travelling in the same direction on a road. Overtaking solutions serve to enforce an overtaking ban on a defined road section.

An ANPR system is placed at two different locations on a road section. The system records each vehicle license plate, time stamp and an overview image. If a **particular vehicle A is detected** at the first detection point **with a time stamp greater than the time stamp of vehicle B** and at the second point with a time stamp lower than the time stamp of vehicle B, then vehicle A has overtaken on this road section.

A system is configured with the normal driving time necessary to drive directly from one point to another without stopping. **Only vehicles that are faster than this normal time** are taken into account in the detection of violations, both for the overtaking vehicle and for the overtaken vehicle. If vehicles are slower than this time, it is assumed that they have stopped somewhere along the road.

This module can be used not only for all vehicles but also and only for **trucks**. In addition, different times may be configured depending on various vehicle categories.
If this module is only used for trucks, it can also be configured to work only during bad weather. It is possible to deploy a rain sensor connected to the ANPR system.
The system **monitors the rain** at both road section sites and detects a violation only in case of continuous rain at both points during the entire course of the overtaking vehicle. A grace period can be configured to detect a violation only if the rain has already started a certain time ago.

KEY FEATURES

> Detection of all overtaking violations thanks to an **outstanding ANPR performance**

> Configurable for **various vehicle categories**

> Allows to take into account the **weather conditions** thanks to external sensors

✔ Ready to use with

MACQ MOBILITY MANAGER
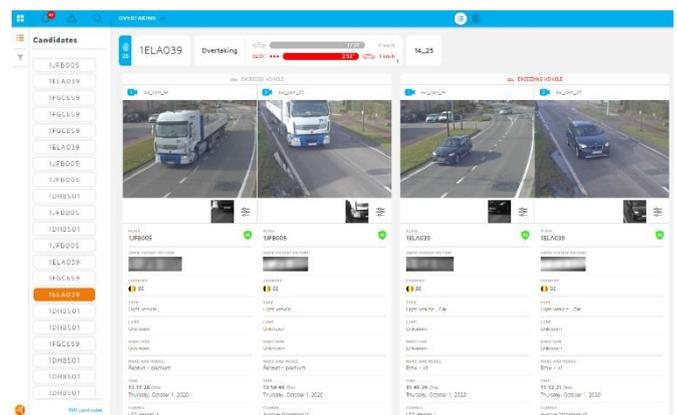
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