



ADAS Map with Speed Assist Package

Highly accurate traffic signs and speed restriction content

Overview

For car manufacturers that need traffic sign and speed restriction information for visualization and overspeed warnings, the TomTom ADAS Map with Speed Assist Package provides high-quality digital maps. These cover more than 20 sign types, including sub-plates, traffic light locations and verified speed limits. Unlike a camera, there is no hindrance from blocked views nor overlooked or misinterpreted signs.

Traffic sign and speed restriction content is solely sourced from quality, trustworthy data sources in order to consistently

meet our quality targets. Traffic signs provide useful information regarding local driving restrictions to the driver on the infotainment screen. Speed restrictions represent a permanent and legal speed limit for a given road. Speed restrictions can be used as input for ADAS use cases such as Predictive Cruise Control and Intelligent Speed Assistance. The speed limit content is also highly relevant for NCAP vehicle safety ratings and European legislation for Intelligent Speed Assistance.

Features

One global specification, including sub-attributes

Broad coverage for highest road classes

Traffic signs

Speed restriction

Benefits

Enables quick time-to-market across vehicle lines

Facilitates product launches in multiple markets

Provides warnings and visualization for drivers

Improves Euro NCAP rating and overspeed warnings



End user benefits

TomTom ADAS Map with Speed Assist Package provides some of the following end-user benefits:

- Verified speed limits in more than 100 countries
- Fuse camera data with digital maps to improve Intelligent Speed Assistance
- Increase reliability and end-user experience of predictive driver assistance functions
- Improve Euro NCAP ratings with online maps or quarterly updated offline maps

Sample applications

Some sample use cases for ADAS Map with Speed Assist Package include:

- Display, guidance and overspeed warnings
- Traffic Sign Recognition
- Intelligent Speed Assistance
- Predictive Cruise Control

Product formats

ADAS Map with Speed Assist Package can be delivered in the following formats:

- MultiNet-R
- Navigation Data Standard (NDS)
- TomTom AutoStream map format

Traffic Signs

| | | | | | |
|----------------------------|--|-------------------------------|--|---|--|
| Speed restriction | | Traffic light warning | | End of all restrictions | |
| Overtaking restriction | | Pedestrian crossing | | Yield | |
| Stop | | Left lane ends | | Icy conditions | |
| Overtaking lane | | Right lane ends | | Intersection with priority to the right | |
| Unguarded railway crossing | | End of speed restriction | | Traffic lights | |
| Guarded railway crossing | | End of overtaking restriction | | Dangerous curve | |
| Built-up area entry | | Children warning | | | |
| Built-up area exit | | Cyclist | | | |