ADAS Map with Signs 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 Signs 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 assist. The speed limit content is also highly relevant for NCAP vehicle safety ratings and European legislation for Intelligent Speed Assistance.

Features	Benefits
One global specification, including sub-attributes	Enables quick time-to-market across vehicle lines
Broad coverage for highest road classes	Facilitates product launches in multiple markets
Traffic signs	Provides warnings and visualization for drivers
Speed restriction	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

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

• MultiNet-R

• Navigation Data Standard (NDS)

• TomTom AutoStream map format

Traffic Signs

Sign		Sign		Sign	
Speed restriction	30	Traffic light warning		End of all restrictions	
Overtaking restriction		Pedestrian crossing		Yield	YIELD
Stop	STOP	Left lane ends		Icy conditions	
Overtaking lane		Right lane ends		Intersection with priority to the right	
Unguarded railway crossing		End of speed restriction	50	Traffic lights	
Guarded railway crossing		End of overtaking restriction		Dangerous curve	
Built-up area entry		Children warning			
Built-up area exit		Cyclist			

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