



Virtuose

Intelligent driving assistance systems are increasingly playing an important role in modern vehicles. Localization and navigation are two key tasks, which usually use global navigation satellite systems (GNSS) in open areas. However, indoors GNSS is too error-prone. In this use case, Virtuose uses onsite cameras to detect, track and localize objects in a car park. To achieve accurate 3D localization the video stream is processed without completely decoding it, which reduces hardware resources needed. The system is also compatible with cars regardless of their own respective sensor configuration.