

SE-3D-DB: Description of 3D database package

SE-3D-DB is a set of various databases.

In order to save time in the synthetic environment modeling, OKTAL-SE has created five 3D databases. SE-3D-DB covers a wide range of geographical spots and provides the user with ready-to-use synthetic environment for Visible, Infrared (SWIR, MWIR, LWIR) and Radar simulation [1-100 GHz].

All the source and construction data (parameters, templates ...) are provided so that the 3D virtual mock-up can be automatically generated again using the SE-AGETIM software. As a consequence, the user can enhance and adapt each database regarding to the targeted application.

Each database is provided with operational data (including 18 atmospheric conditions) that give first realistic examples of use cases such as:

- Driving in urban area
- Helicopter and UAV simulation
- Open sea and close to coast shipping
- Plane and airport scenarios

The SE-3D-DB can be covered by a maintenance contract. New buildings, textures and hypertextures, trees, forests and typical objects (like traffic lights, vehicles, ...) are continuously added to our database. Those enhancements are provided to the users through the maintenance contract.

SE-3D-DB

