



**Realtime Technologies'** (RTI) Desktop Driving Simulator brings the performance of mid- to high-fidelity simulators to a compact, inexpensive package.

Using RTI's flagship SimCreator® product, complex simulation models are scaled and targeted to run on a single high-performance PC platform.

Now, all the features traditionally reserved for expensive, high-end simulators are within reach to those with a more modest budget. SimCreator also makes it easy to interface other applications into the simulator for test and development tasks.

**Packaging**

The Desktop Driving Simulator product comes complete with:

- High-performance PC.
- 24" LCD monitor.
- 240° rotation PC game steering wheel and pedals.
- PC speaker system.

The extra freedom of rotation more closely maps inputs from the game wheel steering to real vehicle steering inputs. The system can be mounted on just about any desk top workspace. The result is a small footprint, portable driving simulator that is perfect for engineering laboratory settings, and research and training applications.



*Desktop Sim hardware package.*

highlights

- High-performance at low cost.
- Compact, portable configurations.
- Small footprint.
- High-quality graphics and audio cues.
- Scalable and ready for upgrades.

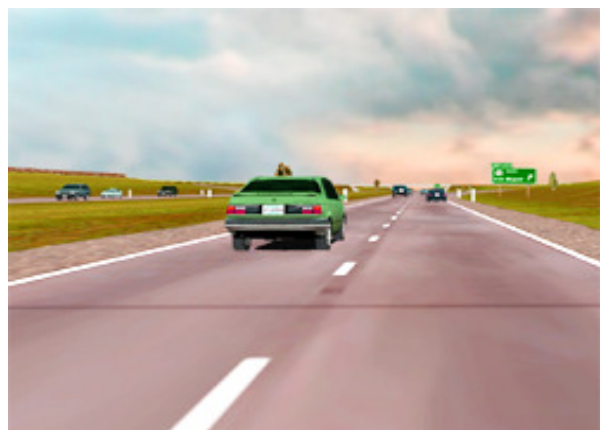


*Pre-rendered lighting soft shadows.*

**Technology**

The Desktop Driving Simulator is powered by SimVehicleLT, the same SimCreator product that RTI delivers in its high-end research and training simulators. SimVehicleLT is a high-fidelity multi-body, real time vehicle dynamics model.

SimVehicleLT provides accurate vehicle responses to the driving environment. The simulator operates at a 60 Hz update rate and supplies fantastic, high-quality graphics and audio cues.

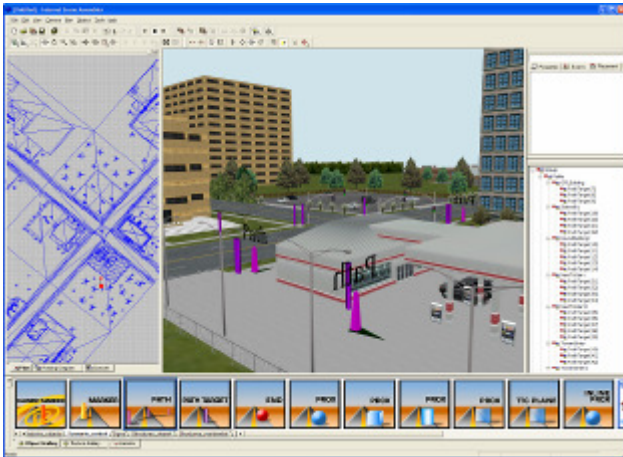


*On road simulation example.*

Desktop Simulator

## Content

The Desktop Driving Simulator can be delivered with stand-alone databases complete with an ambient traffic model or with customized simulation scenarios. Stand alone databases exist for freeway, city, and off-road driving. Customized scenarios can be developed with RTI's SimVista scene and scenario development toolset.



*SimVista scene and scenario development tool interface.*

## Applications

RTI's Desktop Driving Simulator is an excellent platform to support:

- Automotive engineering research labs.
- Automotive product test and evaluation.
- Driver model development.
- Human factors research.
- Automotive software application development.
- Driver training applications.

Contact us with your simulation scenario needs for information about custom development.

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Realtime Technologies, Inc. (RTI), specializes in real time multibody vehicle dynamics, and graphical simulation and modeling. We offer simulation software applications, consulting services, custom engineering, software and hardware development. Realtime Technologies' customer base includes international, government and private entities. RTI was founded in 1998. For more information, visit us at [www.simcreator.com](http://www.simcreator.com).

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## SimCreator<sup>®</sup>

SimCreator is a graphical, hierarchical, real time simulation and modeling system. SimCreator allows users to develop distributed simulation models with speed and ease — without writing a line of C code. Please see the SimCreator product sheet for more.

## SimVehicleLT<sup>™</sup>

SimVehicleLT is a high-fidelity, multibody, real time vehicle dynamics model. SimVehicleLT can represent a variety of four-wheel vehicles using selectable input data files. It can be used in both operator-in-the-loop and hardware-in-the-loop simulators. Please see the SimVehicleLT product sheet for more.

## SimVista<sup>™</sup>

SimVista is a scene and scenario control subsystem. The SimVista graphical user interface (GUI) gives you the power to drag and drop objects into your virtual world and to give them scripted behaviors, bringing them to life.

Other objects that can be dragged off a palette and added to enhance the visual complexity of the scene include buildings, trees, parked vehicles, terrain features, signs, and construction barriers among many others.

Still more objects such as sensors, vehicles, and pedestrians can be introduced and assigned behaviors that will play out during scenario execution. With SimVista you can regulate nearly all aspects of virtual traffic, pedestrian movements and simulator operation.