

# ***Introducing the Next Generation of the World's Most Flexible Driving Simulator***



Built from the ground up to take advantage of the latest PC and graphics advancements, STISIM Drive® 2011 takes a quantum leap forward in visual fidelity while retaining the power and flexibility that have made it one of the most widely used real-time driving simulators around.



Systems Technology, Inc. (STI) is proud to introduce the next generation of the world's most flexible driving simulator: **STISIM Drive® 2011**. This latest version of the STISIM Drive® software brings impressive graphics, performance and greater stability to our industry leading simulation product. For over four decades STI has been the industry leader in vehicle simulation and dynamics and with the latest generation of our core simulator software, **STISIM Drive® 2011** is leading the charge for the coming decades.

## ***Exceptional Features***

### ***Powerful Usability:***

- New user interface can be adapted to any location including full translation of the GUI in any native language.
- Outstanding data collection capabilities unrivaled by our competitors including (but not limited to): Collecting analog data from external sources; Turn signal usage; Recording triggered events; and every other driving metric you may need.
- Revamped user interface allows for quicker, cleaner, and easier navigation and set-up of the simulation system getting you to your drive faster

### ***Upgrade Friendly:***

- STISIM Drive® 2011 can be run in parallel with STISIM Drive® Version 2 to allow for the seamless transition of your simulations from one version to the next
- STISIM Drive® 2011 allows for backwards compatibility with STISIM Drive® Version 2 - allowing you to use your custom scenarios and Open Modules<sup>1</sup>

### ***Increased Functionality:***

- All new graphics models, textures and backgrounds raise the fidelity of the drive experience increasing the true-to-life feel of the simulator
- Additional driver interface graphics include a new dashboard model and new mirrors (rear, and two sides) that can be viewed whether you have one screen or three
- New logic and vehicle dynamics allow for smarter traffic, element animations, and triggered events all controlled through our easy to use Scenario Definition Language (SDL)<sup>2</sup>
- Improved sound system allows for true surround sound with position based sound effects and full Doppler sound rendering allowing for a more realistic drive simulation.

<sup>1</sup> Scenarios using user supplied models require manual updating for STISIM Drive® 2011 compatibility; Open Modules may require recompilation of the source code with the STISIM Drive® 2011 libraries

<sup>2</sup> The additional functionality include animated wheels on vehicles, pedestrian and animal movement animation, moving signs, and left and right turning traffic. Other logic triggers may also be available - contact Systems Technology, Inc. for more information

<sup>3</sup> STISIM Drive® 2011 Core System software is fully compatible with Windows 7® 64bit operating system, however the STISIM Drive® active vehicle controls require Windows 7® 32bit

## ***Outstanding Compatibility:***

- Full support for Windows 7® 32bit and limited support for Windows 7® 64bit<sup>3</sup> operating systems allows STISIM Drive® to take full advantage of the latest computer hardware
- Windows® native resolution support for displays allows STISIM Drive® to take advantage of wide aspect ratio displays and increase the viewing area of the simulation
- Universal STI 3D graphics rendering and support allows the use of both the OpenGL and DirectX™ graphics environments and latest graphics cards
- Expanded hardware support makes it easier to set-up and use any USB control device allowing for more custom driving controls

## ***Dynamic Realism***



One of the key differentiators of STISIM Drive® from our competitors is the unique way in which we create and display graphics. Most driving simulators focus on creating a driving grid that has a maximum depth and maximum width; limiting the customization to a finite space and finite drive lengths. STISIM Drive® 2011 uses a just-in-time 3D rendering process that creates the virtual environment on the fly as the simulation is running. This process allows STISIM Drive® users to create and run an unlimited amount of custom scenarios making more realistic and longer drives that uniquely meet our users needs.

For more information about STISIM Drive visit our website:

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