SystemVision® Enterprise™
Versatile System Modeling

Features and Benefits:
- IEEE standard VHDL-AMS language reduces dependence on proprietary languages
- Model and Symbol Wizard automates simulation model development from multiple data sources
- Convert device datasheet performance parameters and curves into simulation models
- Standard SPICE model support and PSpice proprietary model conversion
- Model device or system behavior at any level of abstraction, from transfer functions to detailed physics
- Mixed-signal modeling combines digital domain simulation speed with analog domain accuracy
- Multi-physics modeling enables full-system performance verification
- Use VHDL-AMS to extend SPICE model functionality

Flexibility Of Modeling Standards
SystemVision Enterprise leverages the power of VHDL-AMS, the IEEE standard language for modeling multi-domain and mixed-signal system behavior at multiple levels of design abstraction. Browse its large library of VHDL-AMS models, ranging from electronic components to motors, digital gates to hydraulic pumps, thermal to magnetic blocks, or, build your own models using VHDL-AMS for complete control over model behavior. VHDL-AMS gives you unique flexibility when modeling device behavior and performance.

SystemVision Enterprise also supports direct use of standard SPICE models and lets you translate PSpice's proprietary model format into standard SPICE syntax. Since SystemVision Enterprise supports both VHDL-AMS and SPICE, engineers can leverage the power of both languages within a single model - just wrap VHDL-AMS around your vendor-supplied SPICE component to customize the behavioral physics of the model.

Model and Symbol Wizard
Creating models is easy with the model wizard in SystemVision Enterprise. Once you select your data source, the wizard walks you through simple steps to create a simulation model and schematic symbol. When your model is finished, the wizard helps you save it to your local project or to a shareable simulation library.
**Models From Schematics**

Simulation models are not always a text-level implementation of device equations. You may have an important circuit you want to save as a model for another design and time. A simple SystemVision Enterprise menu pick turns any schematic into a standalone simulation model complete with schematic symbol.

**Graphical Modeling**

Use the library of math and behavioral building blocks in SystemVision Enterprise to quickly create accurate and versatile simulation models. Simply connect blocks together in an easy-to-understand graphical version of the device. And if your graphical model needs a custom block based on a device performance curve, generate that block using the Datasheet Curve Modeler, then add the new block to your model.

**Shared Libraries**

Build your own libraries of SystemVision Enterprise simulation models, then share them between projects, or with others in your group or company. You can assemble and share model libraries with contractors and vendors as a way to communicate design specifications and requirements. You can even assemble and share encrypted model libraries with contractors and vendors.

**System Requirements**

**Minimum System Requirements:**
OS - Windows 7
Memory – 2.0 GB RAM
Disk – 3.0 GB

**Recommended System Requirements:**
OS - Windows 7 x64
Processor - 8 cores
Memory – 8.0 GB RAM

---

**For the latest product information, call us or visit: [www.mentor.com/systemvision]**

©2015 Mentor Graphics Corporation, all rights reserved. This document contains information that is proprietary to Mentor Graphics Corporation and may be duplicated in whole or in part by the original recipient for internal business purposes only, provided that this entire notice appears in all copies. In accepting this document, the recipient agrees to make every reasonable effort to prevent unauthorized use of this information. All trademarks mentioned in this document are the trademarks of their respective owners.