



M500WS driving simulation system

STISIM Drive® is a programmable and fully interactive virtual reality driving simulator engineered to take advantage of cutting edge computer technology. Results from more than four decades of independently validated driving simulation research are incorporated into STISIM Drive® software and systems. More than 500 universities, government agencies, medical facilities, training centers, and corporations have used STISIM Drive® to conduct research, perform patient assessment and treatment, and provide driver training.



M500WS System Description:

The STISIM Drive® M500WS system is an interactive driving simulator powered by the programmable STISIM Drive® software engine. The M500WS system includes three driving displays that provide a wide driver field-of-view, an advanced full size steering wheel with dynamics based feedback and foot pedals that provide a realistic driving experience, and VDANL Drive advanced vehicle dynamics software modeling. The M500WS system is engineered to deliver superior simulation performance at a cost effective price. The system is capable of supporting a user supplied roadway displays that can be any sized monitors or projection displays, and can provide up to an 180° driver field of view. STISIM Drive® Scenario Definition Language (SDL), software that allows for custom designed roadway environments and situations, is included.

The STISIM Drive® M500WS system comes with over eighty ready to run driving scenarios that provide diverse driving situations, customizable roadway environments, and use an extensive library of roadway objects. The system also allows for user definable data collection. All STISIM Drive® systems come with an extensive user base supported by hundreds of peer reviewed publications. The STISIM Drive® M500WS system will enable the end user to eliminate the risks of on-road driving, safely evaluate high risk drivers, and achieve objective, accurate and repeatable performance measurements in a cost effective environment.

Applications

- Driver Training
- Driver Assessment
- Rehabilitation
- Research and Development

Features:

- High speed graphics and sound processing
- More than 90 pre-designed scenarios
- STISIM Drive® Scenario Definition Language (SDL)

- Module programming feature
- Interactive and programmable roadway events

- Detailed help files, documentation, user resources

- Scenario playback
- Transmission options
- VDANL Drive™ advanced vehicle dynamics model

Benefits:

- Realistic roadway environments
- Ready to drive, test, and evaluate
- Interactive and programmable roadway environments
- Modify existing or create custom scenarios
- Control events, signal lights, pedestrians, vehicle traffic
- user definable data collection
- Programming experience not required
- Advanced scenario and configuration design
- Operator initiated events
- Cue scenario events dynamically
- Ease of operation and maintenance
- More time driving and less time reading
- Visual replay of previous sessions
- Automatic or manual
- Dozens of Advanced vehicle dynamics options

Performance measures:

Accident Counts:	Vehicle, pedestrian, obstacles, off-road
Brake and Accelerator:	Speeding behavior, reaction time, time to collision, tailgating
Steering and Handling:	Lane position and deviation, centerline and edge crossings
Driver Compliance/Attention:	Signal lights, signs, turning, divided attention
User selectable data:	Programmable via Scenario Definition Language (SDL)

System Components:

Computers:	Dell™ desktop workstation with high performance nVIDIA graphics card
Driver Display:	Minimum 22" LCD (3 units) for up to an 180° field of view
Operator Display:	Minimum 20" LCD (1 unit) shows real time summary of driving data
Steering Wheel:	STISIM Drive® high fidelity control (Active force feedback, 900° rotation)
Gas and Brake Pedals:	STISIM Drive® pedals
Hardware License Key:	Included
Electronic documentation:	Included
Warranty:	1 Year
Tech Support:	Included

Optional Hardware:

Manual transmission, projector, cab environment

Operating System:

Microsoft Windows®

Software Compatibility:

STISIM Drive® DUI Module, STISIM Drive® Open Module

Head and Eye Tracking:

Compatible with multiple eye tracking systems



More information visit us at www.stisimdrive.com , or call us at 310-679-228

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