M300WS 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.

M300WS System Description:

The STISIM Drive® M300WS system is an interactive driving simulator powered by the programmable STISIM Drive® software engine. The M300WS system includes three driving displays that enable a 135^0 driver field-of-view, STISIM Drive's® ADS advanced digital steering controller based on and actual automotive production steering controller, and foot pedals with correct vehicle pivot points that provide a realistic driving experience. The M300WS system is engineered to deliver superior simulation performance at a cost effective price. The system is capable of supporting user supplied roadway displays that can be any sized monitors or projection displays, and can provide up to a 135^0 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® M300WS system comes with over ninety 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® M300WS 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

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

Features:	**Benefits:**
-High speed graphics and sound processing	-Realistic roadway environments
-More than 90 pre-designed scenarios	-Ready to drive, test, and evaluate
-STISIM Drive® Scenario Definition Language (SDL)	-Interactive and programmable roadway environments
	-Modify existing or create custom scenarios
	-Control events, signal lights, pedestrians, vehicle traffic
	-user definable data collection
-Module programming feature	-Advanced scenario and configuration design
-Interactive and programmable roadway events	-Operator initiated events
	-Cue scenario events dynamically
-ADS Advanced Digital Steering controller	-Actual GM steering unit
	-dynamic force feedback
	-precision torque motor
	-adjustable position
	-full size wheel
	-operational turn signals
-Detailed help files, documentation, user resources	-Ease of operation and maintenance
	-More time driving and less time reading
-Scenario playback	-Visual replay of previous sessions
-Transmission option	-Automatic or manual

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:

Computer:	Dell™ desktop workstation with high performance nVIDIA graphics card
Driver Display:	Minimum 22" LCD (3 units) for 135^0 field of view
Operator Display:	Minimum 20" LCD (1 unit) shows real time summary of driving data
Steering Wheel:	STISIM Drive® ADS Advanced Digital Steering controller
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 310-679-2281