M100 driving simulation system

STISIM Drive® is a programmable and fully interactive virtual reality driving simulator engineered to take advantage of cutting edge computer technology. More than four decades of independently validated driving simulation research has been incorporated into the STISIM Drive® line of simulators. 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.

M100 System Description:

The STISIM Drive® M100 system is an interactive driving simulator powered by the programmable STISIM Drive® software engine. The M100 system includes a single driving display that enables a 60^0 driver field-of-view, and commercial game-type driving controls. The M100 system is engineered to deliver superior simulation performance at a cost effective price. The software and system is capable of supporting a user supplied roadway display that can be any sized monitor or projection display, and can provide up to a 60^0 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® M100 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® M100 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:	**Benefits:**
-High speed graphics and sound processing	-Realistic roadway environments
-More than 80 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
	-Programming experience not required
-Module programming feature	-Advanced scenario and configuration design
-Interactive and programmable roadway events	-Operator initiated events
	-Cue scenario events dynamically
-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 options	-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^{TM} desktop workstation with high performance nVIDIA graphics card
Driver Display:	Minimum 22" LCD (1 unit) for 60^0 field of view
Operator Display:	Minimum 20" LCD (1 unit) shows real time summary of driving data
Steering Wheel:	Logitech® Driving Force^{TM} Pro (Force Feedback, 900^0 rotation)
Gas and Brake Pedals:	Logitech® Driving Force^{TM} Pro
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 and STISIM Drive® Open Module
Head and Eye Tracking:	Compatible with multiple eye tracking systems

More information visit us at www.stisimdrive.com

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