



M300WS-Console 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-Console System Description:

The STISIM Drive® M300WS-Console system is an interactive driving simulator powered by the programmable STISIM Drive® software engine. Integrated into an advanced console environment, the M300WS-Console system includes three driving displays that enable a 135° driver field-of-view, and an advanced full size steering wheel with dynamics based feedback and foot pedals that provide a more realistic driving experience. The M300WS-Console system is engineered to deliver superior simulation performance at a cost effective price. The software and system are capable of supporting user supplied roadway displays that can be any sized monitor or projection displays, and can provide up to a 135° 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-Console 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® M300WS-Console 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:

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

Features:

- High speed graphics and sound processing
- More than 80 pre-designed scenarios
- STISIM Drive® Scenario Definition Language (SDL)

- Module programming feature
- Interactive and programmable roadway events

- Detailed help files, documentation, user resources

- ADS Advanced Digital Steering controller

- Scenario playback
- Transmission options
- Durable powder coat steel frame
- Unit separates to accommodate wheelchair access
- Operator station with printer and keyboard shelves
- Wireless communication with operator station
- Hand controls compatible
- Rolls through standard 36" door
- Locking rollers
- Standard 27" monitors
- 42"-55" screen options

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
- Actual GM steering unit
- dynamic force feedback
- precision torque motor
- adjustable position
- full size wheel
- operational turn signals
- Visual replay of previous sessions
- Supports both automatic and manual transmissions
- Will provide years of productive use
- No special access ramp required

- No wires to navigate when unit is separated

- Easy portability and delivery

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:

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|---------------------------|---|
| Computer: | Dell™ desktop workstation with high performance nVIDIA graphics card |
| Driver Display: | Minimum 27" LCD (3 units) for 135° 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, 900° rotation |
| Gas and Brake Pedals: | STISIM Drive® pedals |
| Electronic documentation: | Included |
| Warranty: | 1 Year |
| Tech Support: | Included |
| Operating System: | Microsoft Windows® |
| Software Compatibility: | STISIM Drive® DUI Module, STISIM Drive® Open Module |
| Head and Eye Tracking: | Compatible with multiple eye tracking systems |
| Hand Controls | Optional Equipment |

For more information visit us at www.stisimdrive.com , or call us at 310-679-2281.

