



STISIM Drive® M2000 Research

Product Overview



The STISIM Drive® M2000-R is our most economical solution for use in research settings. It is an interactive driving simulator powered by the versatile STISIM Drive® software engine. The M2000-R includes three driving displays that provide the driver with a 135-degree field-of-view, and commercial off the shelf game-type driving controls. The M2000-R is engineered to deliver superior simulation performance at a cost-effective price. The STISIM Drive® Scenario Definition Language (SDL) allows for custom designed roadway environments and situations, is included.

The STISIM Drive® M2000-R comes with more than ninety diverse and ready to drive scenarios that provide assorted driving situations and customizable roadway environments that use an extensive library of roadway objects. The system also allows for client definable data collection. The STISIM Drive® has an extensive client base supported by more than 1200 independent and peer reviewed publications. The STISIM Drive® M2000-R will enable the client 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.



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Features and Benefits

- Driving is an ecologically valid task
- Eliminate all the risks associated with on the road driving
- Measure reaction times, psychomotor functioning, visual perception, divided attention, executive functioning, and more
- More than 90 customizable driving scenarios
- Interactive and programmable roadway environments
- STISIM Drive® Scenario Definition Language (SDL):
 - Modify existing or create custom scenarios
 - Dynamically control events, signal lights, pedestrians, vehicle traffic
 - Advanced scenario and configuration design
 - Operator initiated events (Wizard of Oz)
 - Client definable data collection
 - No programming experience required
- User selectable driver field of view (135 degrees max)
- Visual replay of previous drives
- Generic international signage
- Left and right side driving, English or Metric units
- Detailed help files, documentation, and client resources



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Research Applications

- Driver Behavior/Performance/Attention/Safety
- In Vehicle Telematics/Dashboard Design/Ergonomics
- Roadway Design and Traffic Control Devices
- Virtual Environment and Simulation Technology
- Alcohol/Drug/Fatigue Impairment
- Cognitive and Psychomotor Impairment

Sample 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
Client Selectable Data	Programmable via Scenario Definition Language (SDL)



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System Components

Computer	Desktop workstation with high performance NVIDIA graphics card
Operating System	Microsoft Windows®
Driver Display	24-inch LCD (3 units)
Operator Display	24-inch LCD
Steering Wheel and Pedals	Logitech® G29 gaming controller
Table and Chair	Not included
Power	120/220 volt compatible
Hardware License Key	Included
Space Requirements	6 feet wide by 10 feet deep
Electronic Documentation	Included



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STISIM Drive® M2000 Research

Tech Support

First year included

Shipping and Handling

Included within the Continental United States,
additional charges may apply for other areas

Installation and Training

Included within the Continental United States,
additional charges may apply for other areas

Warranty

1 Year

Software Options

STISIM Drive® DUI Module, STISIM Drive® Open Module,
Extended Support



Sample setups: Table and chair not included.



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