



Drive Square Simulation System™



Revolutionize your driver training and driver safety demonstrations with the lightweight and portable Drive Square Simulation System™. Provide realistic training in the safety and convenience of a stationary vehicle. Use state-of-the-art virtual reality, a wide variety of training scenarios and a professionally developed curriculum - or customize your own scenarios to evaluate drivers. Train students in a garage, a driveway, a parking lot, *anywhere* and *anytime* you want to prepare your students for new situations or reinforce important points. Simulate dangerous emergency maneuvers without the possibility of injury. The simulator can simulate impaired driving such as alcohol, distracted driving while texting and talking on a mobile phone etc.

- **Modular** Four major elements: Two turntables, one headset and one portable computer
- **Lightweight and Portable** Total weight of the system < 100 pounds
- **Realistic** Interchangeable vehicle and state-of-the-art virtual reality provide enhanced training and realistic driving practice. Optional control panels enable practice emergency vehicle operation (EVO) with siren and light controls.
- **Curriculum and Driving Scenarios** Drive Square Training System is integrated with a number of driving simulation software packages with hundreds of training and evaluation scenarios available. Many of the scenarios have been developed by leading research organizations with training effects peer-reviewed and documented in numerous white papers.
- **Safety Demonstrations** Use for safety demonstrations of adverse effects of drinking and driving, texting and other distractions.
- **Easy Use, Anywhere** Because no AC power or environmental control is necessary, the Drive Square System can be used wherever a vehicle can be parked.

About the Company

Founded in 2001 as Drive Square LLC, it began development of the system to address the increasingly critical problems of teen age and other drivers. The company received several research grants from the US government to explore the uses of this exciting new technology. Beginning 2008 the Company operates as Drive Square, Inc.

The Drive Square Simulation System™ Technical Specifications
Model DS-565-PRO, DS-565-IDD-PRO, DS-565-HVK-PRO



Operating Modes	Simulation, Playback, Scenario Design
Notebook Computer	Intel i5/i7 based notebook computer with 500Gflop GPU or better performance. Flip-back design with solid state hard drive.
Operating System	Microsoft Windows .**
Virtual reality Headset (HMD):	
Microdisplay	Dual high-contrast micro displays
Weight	320g
Resolution	1280x720 per eye, 24-bit color
Audio	Full Stereo
Head Tracker	Magnetic-Accelerometer-Gyro
Turntable Ramps w/Steering Sensor:	
Size	19" Diameter, 3.5" High
Vehicle Tire Size Range	Tire diameters 21.5" - 43.5", tire widths 6.5" – 12.5" (165/65R14 - 315/80R22.5)
Weight Bearing Capacity	19,000 Lbs on steered axle
Interface/Power	USB Interface
Color	Black hard-coat anodized aluminum with non-reflective yellow safety stripes
Pedal Sensors	A set of MEMS-based electro-mechanical sensors to fit any vehicle. All sensors are USB or wireless Bluetooth BLE 4.0
Optional EVO Control Panel	SVP/Carson- style or Code 3- style Siren & Light control panels
System Packaging	The system is packaged in a heavy-duty nylon roller bag: 2 round ramps, packaged separately in 2 heavy-duty nylon over the shoulder bags - 20"x20"x4", 40lbs ea. (51x51x11cm, 20kg); 1 computer bag - computer, software, HMD, a set of sensors - 17"x14"x10", 15lbs (44x36x25cm, 7kg). Sizes and weights are approximate.
Power requirements	Battery, AC Inverter, or 110-220VAC, total power consumption < 150W.
Environmental Restrictions	
Precipitation	No direct rain or snow
Operating temperature	0F – 120F



For More Information: www.drivesquare.com or call toll-free: 1-877-224-7708 x.2

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