

Transim™ 8 Truck Driving Simulator



Cost-effective, best-in-class, immersive training technology for commercial drivers

Simulation-based training is a proven tool for pre-hire driver screening assessments, entry-level driver training, safety refresher training, and post-remediation training.

WHY SIMULATION

- > **Improve driver safety**
Fleets that implement driving simulators significantly reduce preventable crashes and the severity of the crashes. Simulation training reinforces positive decision making and situational awareness through training in a realistic, risk-free environment. Complete, consistent, objective feedback on performance gives drivers the skills and confidence to drive more safely and more efficiently.
- > **Improve operational efficiency**
Simulators have proven to help reduce operational costs from fuel consumption, vehicle damage, training overhead, litigation, insurance premiums, etc. Optimize your training time and instructor costs all while improving driver recruiting and onboarding.
- > **Improve productivity**
Spend more time doing the things that will help your fleet grow and less time spent dealing with bad PR, insurance claims, litigation, vehicle maintenance, out-of-service violations, and workers' comp. Training on simulators keeps your vehicles on the road earning revenue, not in the shop, or tied up with training.

KEY BENEFITS

- > Critical tool in training and skills development for risk analysis, shifting, space management, backing, and hazard perception
- > Immersive training experience that promotes a higher transfer-of-learning and increased retention
- > Opportunity to standardize your curriculum to ensure consistent, quality training across all drivers and locations
- > Adjustable, progressively-challenging skill development path to enhance skills, improve defensive driving techniques, and hone decision making skills
- > Extensive library of customizable commercial trucking scenarios designed to address learning objectives relevant to CDL training objectives and individual drivers
- > Ability to introduce CDL drivers to challenging situations that target skill development and increase the driver's situational awareness, self-awareness, and critical thinking skills
- > Continual reinforcement of curriculum and key training areas by providing the ability for your students to practice and rehearse responses to dangerous situations in a safe, controlled environment



IDEAL TRAINING TOOL FOR:

- > Decision-based skills training
- > Defensive driving
- > Space & speed management
- > Distracted driving
- > Close-quarter maneuvering
- > Backing procedures
- > Passing & lane changes
- > Negotiating intersections/turns
- > Situational awareness
- > Congested traffic
- > Pedestrian awareness
- > Managing off-road surfaces
- > Adverse conditions: night/fog
- > Rollover prevention
- > Emergency maneuvers

Committed to professional driver safety, performance, & excellence through agile, innovative training technology

KEY FEATURES

- > Eighth generation, updated Driver Training Solutions driving simulators sets the industry standards
- > Fully shrouded, realistic cockpit: Freightliner Cascadia Evolution built from OEM and replica components
- > Sharp and visually accurate graphics on 4K LCD displays recreate the look and feel of real commercial vehicles
- > Immersive 240° physical field-of-view with optional over-the-shoulder views (and 360° virtual coverage) surround drivers
- > Responsive Unreal™ Engine real-time graphics and powerful platform create realistic, high-resolution environments, enhance visual cues and reduce SAS
- > Exclusive Driver Training Solutions physics engine delivers true-to-life dynamics and reactions proven by automotive engineering modeling and real-world results
- > Force-loaded and full-feedback steering, transmission and pedals provide real-time feedback to augment muscle memory in critical driving situations
- > Hundreds of user-selectable vehicle configurations including every permutation of tractor, trailer, engine, transmission, axle, etc.
- > Challenging weather conditions (rain, snow, ice and fog), road/traffic environments (urban, suburban, rural, mountains, motorway, desert) and lighting conditions challenge students where they can fail safely and learn to recover
- > Updated, pedagogically sound driving scenarios effectively train drivers on critical skills

INTEGRATED TRAINING SYSTEM

- > Comprehensive performance assessment tools and replay software
- > Scenario Builder™ software tailors scenarios custom to your fleet
- > SkillSet™ advance assessment software records and scores driver performance based on set objectives, triggered by rules and zones

TECHNOLOGY FEATURES

- > Modern dash includes real automotive parts: steering column/wheel with foot adjustments, Auto Transmission Lever (AMT), 3-point seat belt, pedals, and under-dash lighting
- > Powerful Image Generator platform including Intel i7 4.9 GHz processor and NVIDIA GeForce RTX 4070 video
- > Advanced commercial vehicle systems including e-coast, lane departure warning, collision avoidance and more
- > 4-18 speed Multi-gear transmission economical shifting instruction, using OEM Eaton controls
- > Digital dash allowing operation of hundreds of different vehicle types with accurate gauges and instrumentation
- > Student or instructor control of the simulator via touch screen at the Operators Console (OpCon) and simple and quick control to change vehicle type, scenarios, settings, and lesson plans
- > Optional D-Box 3-axis Motion Base with 120Hz update rate and four independently controlled actuators accurately simulates the real motions of driving
- > Immersive, three-dimensional, 5.1 channel surround sound plus Tactile Sound Transducer



ADVERSE WEATHER CONDITIONS

Simulate environmental conditions, such as snow, fog, rain, wind, and ice.



CHALLENGING ENVIRONMENTS

Challenge driving skills for on- and off-road terrain.



MODERN VEHICLE SYSTEMS

Learn to utilize new safety systems and warning alerts like collision-avoidance.



SITUATIONAL AWARENESS

Recognize and anticipate hazardous driving situations in various environments