

# PATROLSIM™ LAW ENFORCEMENT DRIVING SIMULATOR



## Improve officer safety and preparedness for emergency vehicle operations

Simulation-based training is a cost-effective tool to improve decision driving tactics, safe motor vehicle operations, pursuit management, and distracted driving.



Over 95.4% of motor vehicle crashes are caused by driver behavior, more specifically, poor decision-making (NHTSA, 2008). The PatrolSim™ law enforcement driving simulator offers a challenging, progressive-based development tool to enhance situational awareness skills, improve driving behavior, and master decision-based driving tactics. PatrolSim™ enables you to structure, conduct, analyze, and reinforce emergency vehicle operations training in an immersive, risk free environment.

### PATROLSIM™ BENEFITS

- Provides an innovative and proven driver's training tool that addresses poor decision-making behavior as reported by NHTSA
- Progressive-based scenario development can be adjusted to accommodate any experience level
- Easily customize your own scenarios to replicate incidents that occur in your agency
- Efficient scenario based training that improves critical decision-making in a risk-free environment.
- Offer a new interactive tool to share at community events to promote traffic safety awareness on distracted driving, drunk driving, and speeding

### PATROLSIM™ KEY FEATURES

- Three-channel, 4K-ready visual display system with 180° field-of-view for enhanced immersion
- Modern driving compartment design based on Ford Interceptor with simulated MDC touchscreen display, adjustable console panels for siren and light controls, and VON radio communications
- Force loaded steering coupled with advanced vehicle dynamics validated against OEM test track performance data provides real-time feedback to the driver.
- Versatile design allows you to load and drive multiple vehicle types with appropriate driving dynamics, gauges and visuals.
- Standard driver performance scoring system generates simple assessment scorecard for each driver tracking speed, lane changes, use of mic, etc.
- Optional electronic motion base system delivers increased fidelity and immersive feel that responds to road vibrations, acceleration, braking, and turns.
- Trailer options available to outfit in a mobile driver training center complete with on-site classroom and instructors.



## Ideal for Municipal, State and Federal Agencies

### IMPROVE DRIVER SAFETY

- Reduce officer complacency
- Replicate agency collisions
- Cognitive awareness tool
- Reinforce policies and procedures
- Reduce vehicle damage
- Cost-effective safety improvement program

### CRITICAL DECISION MAKING SKILLS

- Risk-free environment
- Situational awareness
- Practice decision-based driving tactics
- Heavy traffic & intersection clearing
- Head scanning techniques
- Distracted driving & pedestrian distraction

### ON-THE-JOB PREPAREDNESS

- Scenario-based training system
- Traffic stops and pursuits
- Network sims together for coordinated responses
- Improve vehicle handling skills
- PIT maneuvers
- Skills driving range course

### DRIVER TRAINING FOR LAW ENFORCEMENT

- Blended learning environment
- Performance assessment scoring
- Immersive driving simulators
- Mobile training center trailers
- Higher transfer of learning and increased retention
- Year round training capability

*“Emergency vehicle operation is important, but arriving safely is a critical task. The operation of a patrol car or other emergency response vehicle must go hand in hand with proper decision making skills. The addition of a driving simulator to our well established emergency vehicle operator course has provided the opportunity to teach decision making skills at a level that cannot be replicated safely in the real world.”*

*— Captain Coral L. Estes, Washington State Patrol Training Division*



Advanced Motion Base, powered by D-Box, allows for real-time motion response and road feedback



Concurrent console design is adjustable to place siren controls, lights, and mic in accessible positions



Versatile system can load different vehicles with appropriate vehicle dynamics, gauges and visuals.

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