



## QL-DriveSim with Instructor System

The QuakeLogic QL-DriveSim represents the next generation of educational driver training technology. This ultra-wide, cockpit-style driving simulator system delivers an immersive, panoramic training experience that bridges the gap between classroom instruction and real-world driving. Designed specifically for educational environments, it combines cutting-edge visual technology with realistic force-feedback controls and a comprehensive instructor-led management system.

The system creates a safe, controlled environment where students can develop critical driving skills, practice challenging scenarios, and receive immediate feedback—all without the risks and costs associated with on-road training. With its robust construction, intuitive controls, and powerful instructor oversight capabilities, the QL-DriveSim transforms driver education into an engaging, measurable, and highly effective learning experience.



# Immersive Visual Experience



## Panoramic Cockpit Design

The QL-DriveSim features an ultra-wide cockpit configuration with three 24-inch LED displays arranged to create a seamless panoramic view that surrounds the driver. This wraparound visual setup replicates the natural field of vision experienced in actual vehicles, allowing students to develop proper scanning habits and peripheral awareness.

The multi-screen arrangement ensures students can practice checking mirrors, monitoring blind spots, and maintaining situational awareness—critical skills that are difficult to teach in traditional classroom settings. The panoramic view creates an immersive training environment that enhances engagement and accelerates skill development.

## Key Visual Features

- Three 24-inch LED displays
- Ultra-wide panoramic configuration
- Surrounding driver field of view
- Realistic peripheral vision training
- Enhanced situational awareness development

# Realistic Driving Controls



## Force Feedback Steering

Logitech G920 system with dual-motor force feedback and 11-inch steering wheel diameter delivers authentic vehicle response and road feel.



## Professional Pedal Set

Stainless steel pedals including throttle, brake, and clutch with realistic spring resistance for genuine driving sensation.



## Dual Transmission

Supports both automatic and 5-speed manual transmission modes for comprehensive driver training across vehicle types.

The QL-DriveSim's control system replicates the tactile feedback and mechanical response of real vehicles. The Logitech G920 steering system features dual-motor force feedback technology that simulates road texture, vehicle weight transfer, and steering resistance. Students experience authentic feedback when navigating turns, recovering from skids, or responding to emergency situations.

The stainless steel pedal set provides the precise resistance and travel distance found in actual vehicles, helping students develop proper throttle control, smooth braking technique, and clutch coordination. The adjustable vehicle seat with 3-point safety belt ensures proper driving position and reinforces real-world safety habits. Lockable casters allow easy repositioning while maintaining stability during training sessions.





# Comprehensive Instructor System

The QL-DriveSim includes a powerful instructor-led training and management system that transforms the simulator from a standalone device into a complete educational platform. The instructor laptop and control software provide comprehensive oversight capabilities, enabling educators to design structured training sessions, monitor student progress in real-time, and deliver immediate feedback.

## Session Management

Start and stop training sessions with centralized control over all student simulators.

## Scenario Selection

Choose from diverse driving scenarios tailored to specific learning objectives and skill levels.

## Real-Time Monitoring

Observe student performance across multiple machines simultaneously during active sessions.

## Performance Evaluation

Access detailed scoring, grading, and error analysis for comprehensive student assessment.

The standard driving simulation software includes robust student performance tracking with automated scoring and grading systems. Instructors can analyze specific errors, identify patterns in student behavior, and customize training scenarios to address individual learning needs. The system operates without requiring an internet connection, ensuring reliable performance in any educational facility. With 110V AC single-outlet operation, the QL-DriveSim integrates seamlessly into existing classroom infrastructure without specialized electrical requirements.

# Complete Training Solution

The QuakeLogic QL-DriveSim arrives as a fully integrated package, ready to transform your driver education program. Every component has been carefully selected and tested to ensure seamless operation and maximum educational value. From the moment of installation, instructors have everything needed to deliver world-class driver training.

## Visual System

Three 24-inch LED screens in panoramic cockpit configuration for immersive training experience.

## Control Hardware

Logitech G920 steering system with dual-motor force feedback, stainless steel pedals, and dual transmission capability.

## Physical Cockpit

Adjustable vehicle seat, 3-point safety belt, lockable casters, and robust metal structure for durability.

## Software Package

Standard driving simulation software with performance tracking, plus instructor laptop and control software.

## Support Included

Comprehensive support services to ensure optimal system performance and instructor success.

The system's robust metal structure withstands the demands of high-volume educational use while maintaining precision and reliability. The combination of realistic controls, immersive visuals, and powerful instructor tools creates a training environment where students can safely practice everything from basic vehicle operation to advanced defensive driving techniques. With the QL-DriveSim, educational institutions gain a proven solution that enhances learning outcomes, reduces training costs, and prepares students for confident, safe driving in the real world.





# Transforming Training Operations with QuakeLogic Excellence

As the definitive industry leader, QuakeLogic empowers organizations to elevate their operational capabilities and achieve unparalleled training efficacy through our cutting-edge simulation technology.

## Connect with QuakeLogic: Your Gateway to Innovation

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### Executive Support Line

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Direct access for executive consultations and priority support.

Available Monday - Friday, 9 AM - 5 PM PST

### Strategic Inquiries

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For strategic partnerships, enterprise solutions, and comprehensive information.

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