

Triple-Screen Car Driving Simulator

A static passenger-car training system for driving schools, vocational colleges and professional trainers, combining triple-screen visuals with manual / automatic controls.



Practise basic, repetitive and higher-risk tasks in a controlled virtual environment before training in a real vehicle.

Display system

Three 32-inch displays

Gear selection

Switchable manual / automatic

Product form

Static

Vehicle class

Car / passenger vehicle

Driving layout

RHD; LHD customisable

Production lead time

Approx. 2–3 weeks after payment

Photographs and software screens illustrate configurations; the final delivery scope is defined by the confirmed order.

Product overview

Reduce basic-training consumption

Move repeated starting, shifting and parking practice to the simulator to reduce fuel use and wear on clutches, tyres and transmissions.

Prepare learners before real driving

Let beginners learn steering, pedals and gear logic before moving to a real vehicle.

Complex roads and weather

Practise urban, motorway and mountain driving in rain, snow, fog and at night, supplementing conditions that are difficult to arrange consistently in real training.

Induction and refresher training

Support staged driving-school lessons, new-driver orientation and refresher training for working drivers.

Triple-screen road observation

Three displays present forward and side views, supporting road observation through mirrors and side imagery.

Train indoors, independent of weather

Learn the controls and training procedures indoors, easing demand on training vehicles and outdoor facilities.

Support consistent instruction

Support consistent basic teaching for transport operators and colleges; vehicle types, scoring and reports depend on the delivered software.

Hazard and emergency training

Use simulated brake failures, fatigue and unexpected events to practise hazard recognition and appropriate responses.

Flexible training schedules

Reduce dependence on outdoor facilities, weather and vehicle schedules to keep basic lessons running regularly.

Standard hardware and options

Right-hand-drive cockpit and adjustable seat	Standard equipment × 1
Steering system	Standard equipment × 1
Clutch, brake and accelerator pedals	Standard equipment × 1
Switchable manual / automatic gear controls	Standard equipment × 1
32-inch visual display	Standard equipment × 3
Simulation computer	Standard equipment × 1
Driving simulation software	Standard equipment × 1

Optional configurations

Left-hand drive, instrument displays, instructor workstation, VR headset and motion platform can be configured by project; scope and specifications are confirmed with the order.

Software features

Software is configured with the hardware, covering basic controls, manoeuvres, road driving, hazards, scoring and driving aids, with language and course adaptation available by market.

LHD / RHD

Matched left- / right-hand-drive hardware and software

The cockpit can be configured for left- or right-hand drive. The software viewpoint, instruments and control logic follow the selected layout to match physical and virtual driving positions.

- Left- or right-hand-drive cockpit
- Viewpoint matched to the hardware
- Coordinated instruments and control logic

Basic control training

Steering, gears, accelerator, brake, parking brake and lights practice.

Manoeuvring exercises

Reverse parking, parallel parking, curves, right-angle turns, hill starts, narrow gates, manholes, uneven roads, gear changes and single- or double-sided bridge exercises.

Road and weather environments

Town, city, motorway, mountain and gravel roads; night, rain, snow, fog and day/night changes, with corresponding weather effects.

Hazard and emergency training

Scenarios include alcohol and drug impairment, fatigue, speeding, brake failure, unexpected events, noise distraction, traffic direction and yielding to ambulances.

Scoring and training results

Detect stalling, red-light violations, lane crossings, collisions, speeding, unfastened seat belts, unreleased parking brakes and harsh acceleration or braking; record exercises, distance, fuel use, scores and error counts.

Result storage and printing

Results can be saved locally and printed. Local file formats depend on the delivered software version.

Driver assistance

Single- or triple-screen support, dual mirrors on one screen, live pedal and gear indicators, mini-map and point-to-point navigation and route checks.

Languages and system extensions

One software interface language is preinstalled: English, Arabic, Spanish, Romanian or Ukrainian, selected at order confirmation. VR, motion platforms and instructor workstations are available as extensions.

This page shows only a selection of software features and interfaces. Features may be added or modified in future software versions. The delivered software version and feature set are subject to the order confirmation.

OPTIONAL SYSTEM

Instructor workstation interface

Monitor terminal status, assign tasks to one or several simulators and review learner results and errors. Functions and terminal capacity are confirmed by project.

Vehicle types, languages, display arrangements and extensions are confirmed with the order. Custom features, timescales and fees depend on project requirements.

Technical specifications

Standard specifications Default delivery scope for this model	
Vehicle class	Car / passenger-vehicle driver training
Product form	✓ Static Dynamic Static:fixed base without motion feedback.Dynamic:A 3DOF or 6DOF motion platform can reproduce vehicle attitude and motion feedback.
Display system	Three 32-inch displays forming a triple-screen visual system
Standard colour	Black + grey; other colours can be customised by project and confirmed with the order
Operating footprint dimensions	1800 × 2000 × 1300 mm
Net equipment weight	Approx. 150 kg
Packing dimensions / gross weight	Wooden crate: 1600 × 1150 × 1220 mm; gross packed weight approx. 250 kg including crate; one export wooden crate
Power supply and equipment consumption	Standard input: AC 220 V (±10%), 50 Hz; equipment consumption approx. 800 W (estimate; actual consumption varies with configuration and operating conditions). AC 110 V adaptation is available by project; voltage, frequency and final configuration are confirmed in the order specification.
Computer configuration	Intel Core i5-6500; Gigabyte H110M-S2PH; GTX 1660 6 GB; 8 GB RAM; 128 GB SSD Reference configuration. Brands or models may change with availability; replacements will provide equivalent or better performance, subject to the final order specification.
Pre-installed software language	One software interface language is preinstalled: English, Arabic, Spanish, Romanian or Ukrainian. Select the language at order confirmation.

Steering force feedback	DC motor force feedback as standard; servo motor force feedback optional
Steering wheel rotation	From centre: 540° left and 540° right (1.5 turns each); total rotation 1080°
Gear control	Switchable manual / automatic Manual / automatic switching is standard. A manual-only or automatic-only configuration can also be specified when ordering.
Physical controls	Car steering wheel, clutch / brake / accelerator pedals, parking brake, ignition and combination switches
Operating environment	0–35 °C; 20%–80% RH, non-condensing
Optional extensions Not included as standard; confirmed by project	
Servo motor steering force feedbackOptional	Optional servo motor steering force feedback; the standard configuration uses a DC motor
Motion platformOptional	A 3DOF or 6DOF motion platform can be configured; platform type, payload and motion parameters are confirmed per project
VR headsetOptional	VR headset and display solutions available by project; models, software compatibility and scope are confirmed for the application
Instructor workstationOptional	Instructor workstation available by project; hardware, management functions and terminal capacity are confirmed for each order
Software customisationOptional	Software customisation available; features, lead time and cost are agreed for each project

Delivery and support

Production lead time

Usually about 2–3 weeks after payment, subject to the confirmed order and configuration.

Export packing

One export wooden crate per unit; see the specifications for packed dimensions and gross weight.

Factory testing

Software, hardware and overall operation are checked before dispatch.

Installation and training

A user manual is supplied. Remote installation guidance and operator training can be provided when required.

Warranty and upgrades

One-year hardware warranty. Standard new software features may be upgraded free of charge; confirm applicable conditions with sales.

Remote diagnostics

Remote troubleshooting assistance is available; overseas on-site service is not currently provided.

Project enquiries

MotusSim · Foshan Yisili New Technology Co., Ltd.

remotedrive@163.com

WhatsApp: +86 188 2311 8301

motussim.com

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