

Reconfigurable Virtual Simulator (VTS)

The Reconfigurable Virtual Simulator (RVS) is designed for the tactics training. It is a simulator of the "Virtual Tactical Simulator (VTS)" category and it is the part of the Modular Tactics Training System (MTTS).

Simulator can be configured to various types of the ground and air fighting or non-fighting vehicles according to the customer requirements.

Training focus:

Training is focused on development of the tactical skills, communication and co-operation within the crew and the unit.

Training options:

RVS supports training of the platoon, company task force level. Simulators can be used either for training audience or according to the exercise director intent as opposing forces, support, neutral forces etc.

Developed skills:

- tactical skills and thinking
- co-operation and communication in platoon, company or task force
- command and control improvement

Key benefits

- Cost effective tactics training solution
- High performance - RVS supports the large exercises
- Easy expandability by addition of the other configurations
- Comprehensive system of tools for the exercise management and evaluation
- Functional effectiveness - simulation of the properties and the functions important for the tactics training
- Scenario management support
- DIS standard compliance



Technical description

RVS is designed as the modular system that uses off-the-shelf hardware as much as possible.

Available configurations

- T72 a T72M4-CZ tanks
- BMP-1 and BMP-2 infantry fighting vehicles
- MLV - Land Rover SOV - multipurpose light vehicle
- aircrafts, helicopters (Mi17, Mi24, Mi171Sh)
- reconnaissance vehicles (UAZ)
- Forward Air Controller (FAC)

Contents

- Commander, gunner and driver workplaces
- Simulation unit
- Image generators
- Backup UPS
- Communication system

Workplaces equipment:

Commander and gunner workplace:

- joystick (weapon system, turret control)
- monitor for simulated environment and vehicle status information views
- headset
- loudspeakers

Driver workplace:

- joystick or steering wheel with pedals and gear lever
- LCD display for monitoring the simulated environment and the vehicle status information
- headset
- loudspeakers

Technical parameters

Dimensions (height x width x depth)

- rack: 1.75 x 0.8 x 0.8 m
- construction: 1.9 x 0.74 x 1.2 m

Weight:

- rack: 197 kg
- construction: 270 kg

Standards support

- HLA (IEEE 1516) protocol
- DIS (IEEE 1278) protocol



Software

- platform: PC
- operating system: Microsoft Windows XP and higher
- environment: .NET Framework
- uses DirectX 9.0c

Hardware

- power supply: 230V 50Hz
- input: 2.5kW