

SIMULATORS INTRODUCTION

Nowadays, using of training simulators are developing in many fields such as science, industry, military and so on which are most useful procedure to enhance people's skills for operating systems.

Military simulators are most useful devices for training armies due to decreasing the costs, preventing from ammunition lost because it is not necessary to use real ammunition, real vehicles, and real field. Also this training procedure prevents harms to people and devices.

SIMULATOR CAPABILITY

- Generation of virtual reality by computer graphics
- Generation of optional scenarios simulated for different battlefields and Day/Night operations
- Repeated use of scenarios to develop trainees' skills.
- Cost reduction, time saving, preventing damages to people
- No need to use main weapons and real targets.

FIREARM TRAINING SIMULATOR

FTS-I-12 is used for training shooters and developing their skills on speed, aiming and accuracy with different firearms. All weapons are modified for recoil and shooting like real weapons. Advanced software can generate a virtual reality of battlefield and targets such as terrain, vehicles, and soldiers and

Features:

- 5 or 10 shooters can be trained with different or same weapons at the same time in fire line with shooter and assigned weapon definable.
- Simulation 10 types of firearms (RPG, Doska, Machine Gun, Kalashnikov, G3, Draganove, M16, Pistol, 60 mm mortar)
- Recoil and rate of fire simulation and considering ballistics to have real situation such as wind effect on projectile.
- 2D & 3D software to design different battlefield tactical scenarios
- Simulated different fixed and moving aerial, on ground and sea targets
- Recording of hand vibration graphs during shooting
- Registering shooter scores and presentation of work reports for each trainee, presentation of impact effects
- Cost saving and preventing from damages since it does not use real ammunitions.



SPECIFICATION

Projection screen dimensions	3X4 m for 5 lines, 3X8 m for 10 lines
Aiming accuracy	<1mm
Weapon arming mechanism	16 to 18 bars compressed air (Air compressor)
Laser transmitter weight and supply	<100 g, 3 V Battery
Weapon type	AK47, G3, Pistol, M16, Doska, RPG and machine Gun
Video projector numbers	1 for 5 lines, 2 for 10 lines
Video projector illumination	3000 lumens
Laser beam duration	<100 ms
Laser type and power	Red visible laser and < 5 mW
Results presentation	On computer display
Targets	All standard targets
Operation temperature	0°C - +50°C
Storage temperature	-25°C - +55°C