

戰場心理抗壓模擬系統

Conquering Combat-stress Training System

**主計算機分系統**

- 演訓課程管理與流程控制。
- 智慧型目標動態模擬。
- 人員裝備配賦管理。
- 彈道計算動態模擬。
- Linux開放式作業系統，設計具可擴充性。

視效分系統

- 即時虛擬戰場景況。
- 人體運動影像。
- 其他影像特效(如曳光、尾煙、爆炸、煙霧、車輛損毀、砲擊)。
- 大尺寸投影系統。

音效通訊分系統

- 提供戰場環境、武器、城鎮環境、人員等音效。
- 震波平台提高模擬的逼真度與真實感。
- 提供班長與教官間之無線通訊功能。
- 廣播廣播系統。

HOST Computer System

- Training course management and flow control.
- Dynamic simulation in intelligent target.
- Personnel equipment management.
- Dynamic simulation in bullet trajectory.
- Linux open operation system, upgradable for the future.

Visual Effect System

- Real-time view of virtual battle field.
- Human motion simulation.
- Special effects including tracers, smoke, trail, explosions, smog, vehicle damage, cannon shot etc.
- Large-scale projection system.

Sound/Communication System

- Provides the sound of battlefield, such as weapons, human vocal and so on.
- The vibration platform enhances fidelity and reality.
- Provides communication for squad leader and operators.
- Broadcast system.

教官台分系統

- 訓練課程/環境設定。
- 演訓參數即時顯示。
- 任務歸隊資料顯示。
- 生理訊號即時顯示。
- 系統開/關機控制。
- 人機親和性介面機構。
- 狀況引導影響與播放系統。

Operator Control System

- System operating/setting.
- Drill observation.
- Debriefing station
- Physiological signal display.
- System start/shutdown control.
- Human factor interface control cabin.
- Media player control system for situation briefing.

戰場環境

- 戰場環境場景佈置。
- 活動人形靶。
- 燈光、煙門等自動控制。
- 煙霧產生及爆炸特效。

Battlefield Simulation

- Battlefield scenes layout.
- Interactive silhouette target.
- Automatic controls of lights and gates.
- Fog producing and special effect of explosion simulation.

**感受與刺激**

- 煙硝味、屎臭味、大蒜味及催淚瓦斯。
- 心跳、體溫、呼吸頻率等生理訊號。
- 人員位置感知器。
- BB彈射擊攻擊。
- 紅外線中彈識別。
- 模擬槍線偵測。
- 數位/類比輸出入。

Stimulus & Reception System

- Simulating the smell of gunpowder, dead bodies, mustard and tear gas.
- Physiological signal - heart rate, body temperature, and respiration rate.
- Smart Antenna-based Indoor Locating System.
- The plastic pellets attack automatically.
- The got shot identified by infrared-sensitive.
- The aiming detection system for rifle mocks.
- Analog/Digital Input/Output operation system.

模擬槍枝

- AK47戰鬥模擬步槍。
- T91戰鬥模擬步槍。
- 雷射槍戰無線環境。

Weapon System

- Full-function T91 rifle mock.
- Full-function AK-47 rifle mock.
- Laser engagement environment with radio control weapons.

