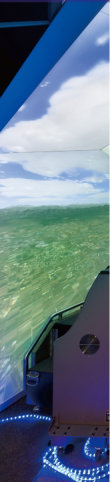




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視效系統：

- 基礎模擬機採用3部高解析度DLP投影器，以正投影方式成像於半徑3米、視角180° x 60° 之弧形螢幕。
- 全功能模擬機採用8部高解析度DLP投影器，以背投影方式成像於8片蜂巢式螢幕，具有360° 全空域視角。
- 系統總解析度為1400點 x 1050條線。
- 採用Presaga之Lyra影像產生器，具有動態變形處理與多頻道影像球合平滑功能；其視效資料庫採用衛星照片或空照圖，以材質貼圖方式整合DTM數位高程資料可產生高解析度現地重視之動態視像影像。
- 具備白晝、夜晚、星夜、太陽的模式設定。
- 具備反鋸齒 (Anti-Aliasing) 功能。
- 具備亮度改變及設定。
- 影像解析度：可達1400x1050條線以上。
- 影像更新頻率：達60Hz。
- POLYGON容量：每channel可處理16,000個POLYGON
- 全台視效資料庫採用高解析度(2.5m)衛星照片圖資。
- 機場鄰近地區採用50m分辨率貼圖。

Visual System

- ULT utilizes three high resolution DLP projectors, forward projection, to produce the image on a curved screen with 180°x 60°view angle.
- FMT utilizes eight high resolution DLP projectors, backward projection, to produce the 360°image on a DART with 8 screens.
- The system resolution is 1400 x 1050 pixels.
- The image Generator uses Presaga Lyra rendering engine. It provides Dynamic Distortion Correction function for projection on screen. It also incorporates Edge Blending for multiple projector application. It uses full color, high resolution Geo-specific Aerial Photography and Satellite Imagery, to produce high fidelity scenes.
- Day/Dawn/Dusk/Night or continuous Time of Day operations.
- With Anti-Aliasing function.
- Adjustable visibility.
- Resolution : Up to 1400 x 1050 pixels (@60Hz).
- Update rate : ≥60Hz
- 16,000 polygons per channel.
- The visual database covered entire Taiwan area, utilizes high resolution (2.5m) satellite imagery to enhance the realistic vision.
- All the airports utilize the aerial photography which resolution is as high as 50cm.



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F-16基礎/全功能模擬機

F-16 Unit Level Trainer/Full Mission Trainer

主要特色：

- 基本及儀器飛行訓練。
- 緊急操作程序訓練。
- 對空及對地任務訓練。
- 多機連續戰術訓練。
- 具體製及重放功能。
- 採用F-16動機原廠提供之氣動力、飛操及引擎性能數據模擬。
- 採用F-16動機真實空電軟體。
- 座艙配置符合實機構型(Tape5/Tape 6)。
- 採用標準商規件，裝備維持與零備件系統無虞。
- 系統操作自動化，三分鐘內可以完成系統開機。

Key Features

- Basic and Instrument flight training.
- Emergency and Abnormal procedures training.
- Air-to-Air and Air-to-Ground mission training.
- Multi-ship tactical training.
- Record and Playback function.
- Accurate aerodynamic, flight control and propulsion model.
- Avionics function simulated by real OFF.
- All the instruments, control panels and mechanism are identical with those of the real aircraft (Tape 5/Tape 6).
- Use of Commercial Off-The-Shelf (COTS) hardware and software.
- The system can be brought up in 3 minutes.

