LiteFlite®

Reconfigurable PC-Based Flight Simulators

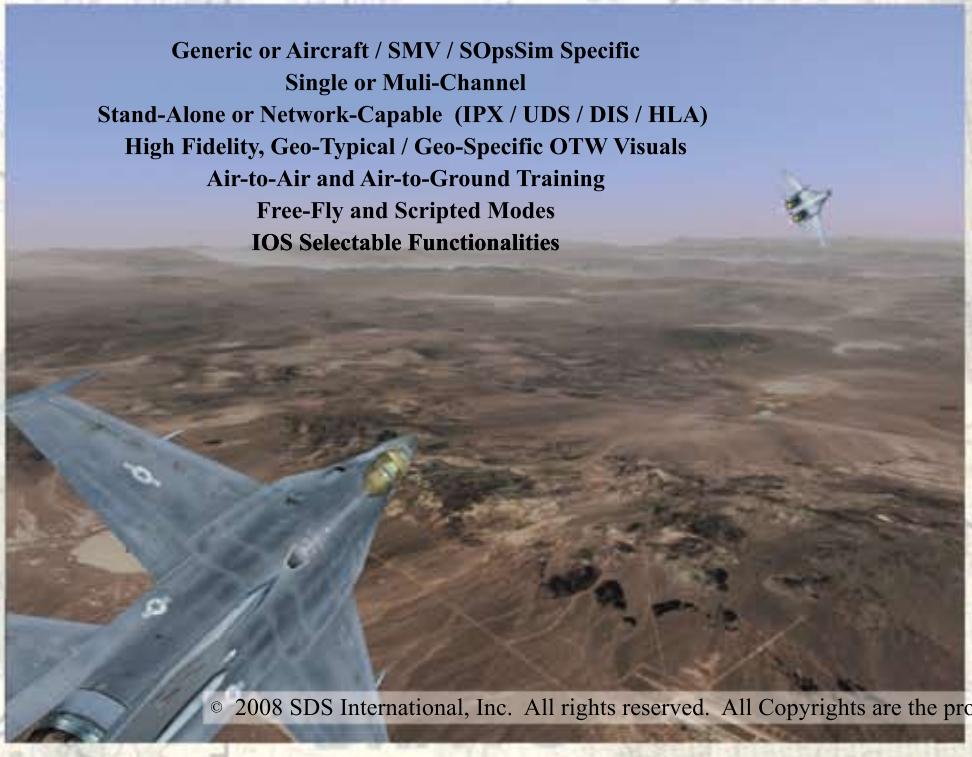
Affordable, Reconfigurable PC-Based Flight (fixed and rotary-wing) and Space Simulators specifically designed to support diverse research applications and aircrew training in individual and networked team-environments

LiteFlite®'s host simulator provides generic/aircraft-specific aero packages (including A-10, F-16, F-18, C-130 and SH-60); aircraft head-down-display (HDD) and head-up display (HUD) information; weapons employment; realistic out-the-window (OTW) visual/sensor scenes, special effects and environmental effects including turbulence and wind buffeting effects; and built-in scripting of other aircraft and surface vehicles (ground and sea-based) for realistic self-contained operations, plus DIS/HLA connectivity with live, virtual and constructive entities for distributed mission operations.

LiteFlite®'s baseline one-computer two-display configuration ensures 60+ Hz performance during air-to-air and air-to-ground operations. One flat panel display (with or without touch screen) portrays cockpit HDD instrumentation and radar functions adaptable to virtually any aircraft type or crew position. Using SDS' **AAcuity® PC-IG**, the other display portrays high-fidelity OTW views provided (with HUD data when applicable) on monitors, helmet-mounted displays (HMD), or flat-panel/projected displays. Multi-channel visual configurations (including domes) are also supported to provide greater flexibility to the OTW view.

LiteFlite®'s single COTS laptop configuration, using game-level controls and displaying aircraft OTW with HUD view, is particularly suited for those applications (such as a virtual fighters/helicopters during Ground-based Forward Air Control (GFAC) Training or for area/theater/mission orientation prior to deployment) where footprint, portability and ease-of-use are driving factors.

LiteFlite® Simulators include robust mission planning, instructor operator station (IOS) and after-action-review (AAR) capabilities; moving map displays; monitoring by 3D stealth viewers; and the ability to collect, compare and view selectable scoring parameters in tabular or graphical form.



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