

**FasTrac TURNKEY Three Channel PCIG Based Helicopter Flight Trainer**

This RealSims FasTrac System - is intended for users requiring high fidelity visuals for nap of the earth flight. Low altitude flight imposes heavy demands on Image Generators and Databases requiring the processing of hundreds of thousands of polygons per frame in order to reproduce a realistic rendering of the scenery. To achieve optimum performance levels, RealSims has teamed with several of their strategic partners to provide key components of the system : (3) SimFUSION 5000q Image Generator channels, Drive (3) Christie Digital CS-70 500Xe, 70" Display Cubes and Carmel Applied Technologies (CATI) X-IG is used for the run time database. The host environment and aeromodel interface is provided by RealSims partner Applied Visual Technology.



**PCIG RunTime & Database**

**Carmel Applied Technologies, Inc. X-IG** - is the latest in a series of integrated product lines developed by Carmel Applied Technologies, Inc. X-IG provides the user with a high fidelity, cost effective visual system designed to support the advanced requirements of the simulated battlefield. X-IG includes, Out-the-Window (OTW), Forward Looking Infrared (FLIR), Day TV, Night Vision Goggle (NVG) and a terrain correlated STEALTH mode that meet the visual system requirements for today's and future simulations.



X-IG provides correlated high density visual scenes to the user through the use of intelligent culling techniques and optimization of the graphics.



**PCIG Hardware**

**Evans & Sutherland** - produces professional hardware and software to create highly realistic visual images for simulation, training, engineering, and other applications throughout the world. E&S visual systems are used in both military and commercial systems, as well as planetariums and interactive theaters. Used all over the world for a variety of visual simulation applications, simFUSION offers best-in-class performance and image quality, with four- to sixteen-sample adaptive full-scene antialiasing at screen resolutions up to 2048x1536. OGL, D3D, and Linux compatible, simFUSION configurations include two or four ATI RADEON™ 8500 graphics chips, one or two DVI-I outputs, and up to 256MB of unified memory.



**Rear Screen Display System**

**Christie** - the innovation leader in purpose-built display solutions, provides the CS70-500Xe--the world's most versatile, high-performance, high resolution rear screen display solution. Utilizing more than 20 years of technology and innovation development, the CS70-500Xe is the ideal industrial grade product solution designed specifically for high fidelity simulation applications and tiled display walls.

Three (3) simFUSION 5000q image generators are used in this application to drive three (3) CS70-500Xe display cubes providing a combined resolution of 1280 x 1024 x3. Multiple CS70-500Xe's can be configured to meet just about any field of view requirement.

**For additional information** on this TURNKEY solution or other FasTrac configurations please visit our website or give us a call. We also offer single channel low fidelity systems for rotary and fixed wing applications with hemispherical domes or front screen displays.

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