

AAcuity® PC-IG

Cost Effective PC-based Image Generation Systems

State-of-the-Art Image Generation, Databases, Models, and Environmental and Special Effects - with 60+ Hz Performance

AAcuity® PC-IG Software supports photo-realistic, geo-specific out-the-window (OTW), sensor, symbology and stealth options for current and legacy simulators, appended trainers and command centers for use in air, space, land and sea-based applications.



AAcuity® PC-IG Sensor Module Option provides state-of-the-art shader-based sensor simulation on inexpensive COTS hardware for Night-Vision-Goggle (NVG) Image Intensified (II) and Infra-Red (IR) sensors. All sensor simulations feature user-adjustable or automatic control for gain and contrast, and a unified sensor/visual light database that allows sensor modes to be switched on the fly.

AAcuity® ShAAow Buffer® PC-IG Option incorporates all AAcuity® capabilities plus manual or automated software-based, soft-edge-blending and surface-distortion-correction capabilities.

AAcuity®-based Spectator/NEXWARS 3D Stealth Viewers have advanced stealth features for direct connection to a variety of simulation hosts through HLA/DIS networks and operational interfaces. For example, SDS' stealth viewers provide the realistic virtual-environment needed to allow operator currency training using the Raven-B's operational controls and built-in host flight simulation whether performing stand-alone training or networked training using I-FACT systems or other fielded training devices.

*AAcuity® PC-IG
Cost Effective Image Generation
for Single/Multi-Channel Visual Displays*



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