LYRA

CONNECT AND VISUALIZE YOUR SIMULATION DIRECTLY OUT-OF-THE-BOX

DESIGNED FOR REALTIME 3D SIMULATION, TRAINING AND ENGINEERING

LYRA FEATURES

- 60Hz image generation

- CIGI and FlightICD host interfaces

- High dynamic range atmospheric and illumination model

- Mission functions

- Entity management

- Environment & special effects

- DIS/HLA support

- Light system management

- Frame synchronization

- Stress management

- Night scene management

- GUI configuration tools

- Lyra Sensors includes the above features plus Infrared and NVG simulation

Based on Vega Prime™, the industry leading realtime 3D development environment from Presagis, Lyra provides an off-the-shelf visualization application delivering 60Hz image generation. Lyra operates on multiple hardware/operating system platforms and utilizes two host simulation interfaces, CIGI and FlightICD, to maximize compatibility with your existing simulators.

Lyra Sensors includes all of the functionality of Lyra plus the ability to generate infrared (IR) and night vision goggles (NVG) simulation. Lyra and Lyra Sensors were designed as ready to use applications requiring no additional programming to operate, resulting in maximum productivity gains. To ensure rapid implementation, they include a sample database to validate installation and system performance along with utility tools such as a CIGI packet logger to record and play back scenarios. Both Lyra and Lyra Sensors incorporate a broad range of functionality making them ideal solutions for different types and scales of interactive 3D visual applications.

PRE-LIVE THE FUTURE.

PRESAGIS

FEATURES & BENEFITS

Ease-of-Use

- An image generator that is ready to use out-of-the-box

- GUI configuration tools provide quick and easy configuration and deployment

- Pre-defined effects, and mission functions included

- Supports open database standards such as CDB and OpenFlight/MetaFlight

- Includes entity, cultural feature, and large area terrain management

- Provides head tracker integration

Value

- An out-of-the-box application that requires no additional programming to operate resulting in maximum productivity gains

- Support for both CIGI and FlightICD host interfaces for maximum flexibility

- Support for both Windows® and Linux operating systems

Realism

- High dynamic range atmospheric and illumination model provides realistic and compelling rendering of scenes in all times of day. Lyra provides visible out-the-window (OTW) display and Lyra Sensors provides OTW capability plus Infrared IR and NVG wavelengths

- Realistic ephemeris model for rendering of sun, moon, and representative stars

- Ownship lighting and light systems for realistic night scenes

- Realistic rendering of special effects, environment effects, and weather states

Maximum Performance

- Low latency 60Hz image generation

- Stress management

- Image synchronization

Visit **www.presagis.com** for more information.

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