



LYRA

Helicopter Simulator Dome Displays



3D perception offers a range of turn-key, preconfigured Northstar™ simulation display systems optimized for specific domains. Each system supports multiple projector models and adapts to diverse program requirements, facility constraints, cabins, and other obstacles.

Lyra™ displays are high-immersion front projection dome systems for helicopter simulators, optimized to reduce parallax and offer a large lower vertical field of view. Lyra systems provide a continuous, unobstructed out-the-window view including chin and side windows. This expansive view and superior image uniformity make Lyra a preferred choice over collimated displays.

Lyra Features

- Support for two eyepoints and wide-angle cross-cockpit viewing
- Range of radial screen sizes from 3.3 m to 4 m / 11 ft to 13 ft
- Enhanced lower field of view for takeoff, hover, and landing
- Ideal for multi-mission, attack, SAR, and transport scenarios
- Optional skylight window available

Past Performance

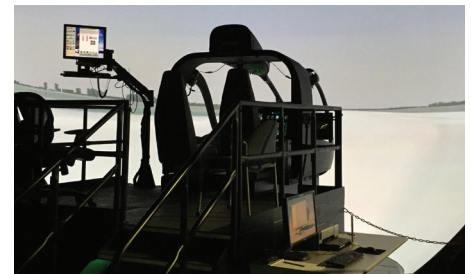
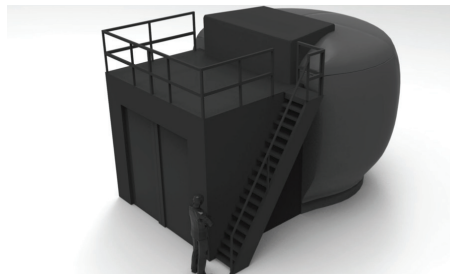
Deployed across major rotary-wing platforms, including UH-60, UH-72A, CH-53E, MV-22B, MRH 407, meeting FAA Level 7 certification.



NORTHSTAR™

SIMULATION DISPLAY SYSTEMS

- DISPLAY PROCESSING AND MANAGEMENT
- PROJECTION AND IMAGE OPTIMIZATION
- AUTO-ALIGNMENT AND CALIBRATION



Seamless. Focused. Performance.

- Industry-leading camera-free automatic image alignment and calibration for increased cyber security and simulator uptime
- Seamless image through all times of day with full image contrast and dynamic range via automated dynamic electronic-optical hybrid blending
- Image Generator and projector independence makes integration easy and future-proof
- Light closeout options and support for Night Vision Goggles
- Centralized system control via unified interface
- Proven expertise with hundreds of global deliveries since 1997