

ATLAS

Fixed-Wing Simulator Dome Displays

3D perception

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.

Atlas™ systems are high immersion fixed-wing simulator dome displays for fast jet and turbo-prop aircraft simulators. These displays deliver superior image contrast and uniformity with a smaller footprint and fewer channels compared to rear-projection options. The systems are designed for the field of view, speed, and engagement necessary for high-fidelity flight training, and certified for FAA Level 6 flight training devices.

Atlas Features

- Up to 270° Field of View with optional dome cap extension
- Superior image quality with up to eye-limiting resolution
- Low smear and parallax error for realistic simulation
- Compact footprint and flexible radial screen sizes from 2 to 3.5 m / 6.5 to 11.5 ft

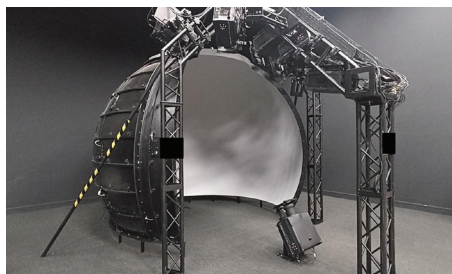
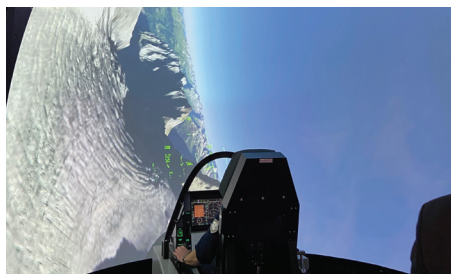
Past Performance

Deployed across a wide range of aircraft including G120TP, T-6C, F-22, M346, Saab JAS Gripen, supporting key training programs such as UKMFTS BFT.



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