NORTHSTAR

Dynamic Optical Blenders

Dynamic optical blend solution

3D perception's Dynamic Optical Blenders provide precision edge blending for night and night vision goggle (NVG) training, without compromising image quality. Optical blending does not sacrifice contrast for black level uniformity, and the servo-controlled optical blends can gradually take effect during day-to-night transitions.

During run-time, the dynamic optical blenders receive time-of-day cues from nControl's advanced scenario management software, which enables seamless transitions from pure electronic blends during daytime scenarios, through hybrid electronic/optical blends during dusk/dawn, to optical-only blends for night scenes.

nControl™

Display system management software

nControl is an intuitive, user-friendly graphical software interface for installation, user control and maintenace. nControl is responsible for maintaining a consistently pixel-perfect image.

In concert with nBox and StarScan, nControl performs fully automatic geometry adjustment, edge blending, color balancing, and gamma correction.

With the push of a button, nControl automates maintenance procedures and readjusts the system's image.

Key Features

- Centralized interface for integrated setup, maintenance and control of the entire display system
- One-click power up/down and maintenance
- Save/load multiple training configurations
- Scenario Management - through IG Interface, time of day transitions during live training session
- Control projector shutters and blenders for night time training
- Automate maintenance procedure

nBox™
Multi-Projector Display Processor

Aurora™
Sensor Instrumented Smart Screen

Image Generator

Certified Projectors™
Professional Simulation Projectors

About 3D perception

3D perception provides advanced display components and immersive simulation display systems.