

# Dynamic Optical Blenders™

Part of the Northstar™ Simulation Display Solution



## Dynamic Optical Blender 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.



## Key Features

- Eliminates extraneous light in overlap areas
- Optimizes image for day, dawn, dusk, & night without sacrificing contrast for black level
- Gradual transitions
- Immediate change on new scenario load



## About 3D perception

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



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