

TREALITY NOCTIS

Next-Generation Optical Blend



TREALITY NOCTIS, the ideal blending technology for multi-channel projection based visual displays. Contrary to most state-of-the-art blending techniques, this next-generation blending is based on a genuine neutral density technology and does not use patterned blending techniques that typically degrade blending quality because of diffraction. As such, it perfectly maintains the contrast and the

resolution of the projector channels and allows matching geometry, color and brightness for any kind of projector technology.

The NOCTIS neutral density technology has been optimized to work equally well with visible and infrared light and provides excellent blending performance optimized for any time of day and for simulated NVG applications.

TREALITY SimCAD Design Tool

The TREALITY SimCAD design tool calculates the blend transition and accurately predicts the blend quality of the multi-channel projection visual display. The calculations are based on system projector configuration, projector optical design and lens characteristics. We can deliver the highest quality of blend overlap and the best image performance.

Blocking area
Blocks full light spectrum

Transition area
Neutral density print gradually goes from 100% to 0%

Transparent area
Maximum transmissivity

Technology Description

The new TREALITY NOCTIS blend technology generates a true neutral blend transition area by a digital print on glass. True neutral density filters for true gray scale performance can be optimized per projector channel. Perfectly suited to upgrade the older generation pattern based technology into a true gray scale technology.

Key Benefits

The true grey-scale technology directly printed on glass allows the best of both worlds for optimal night and NVG images without impacting the brightness of day scenes.

- Highest transmissivity - 98% transparent
- Optimized to withstand high brightness projection
- Higher contrast level
- NVG compatible
- Lifetime guaranty
- Anti-reflection coating
- Designed for best visual system fit

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TREALITY SVS Simulation is an ISO 9001:2015 registered company.
The information and data given are typical for the equipment described.
However any individual item is subject to change without any notice.
The latest version of this brochure can be found on www.trealitysvs.com.

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