

THE RADIX LENS

A CLEAR CHOICE IN PASSIVE TECHNOLOGY

As the popularity of computer-assisted therapy continues to grow, applications continue to be introduced that place new demands on the technology. Optical tracking is now being used in environments that require markers to be robust to liquid and tissue contamination. They also need to be easily cleaned so they can quickly recover tracking.

The NDI Radix™ Lens has been designed to respond to these new demands. The lens has a smooth plastic surface that naturally sheds liquids and is easy to wipe to recover tracking. The Radix Lens also has the unique characteristic of being inherently resistant to partial occlusions, further enhancing its robust performance characteristics.

Designed for use with the Polaris™ and Polaris™ Spectra systems, the Radix Lens may be the right choice for your next application.



Features

- Facilitates accurate optical tracking in harsh environments
- Solid contamination is easy to identify and remove resulting in more efficient tracking recovery
- Partial occlusions have minimal impact on tracking performance
- Minimizes interruption to surgical workflow
- Low profile marker eliminates marker-to-marker interference on planar, multi-marker tools

Partial Occlusion

The Radix Lens* has the unique characteristic of being inherently resistant to partial occlusions. For passive spheres partial occlusions generally cause a tool to stop tracking.



A partial occlusion covering one side of a Radix Lens will be reflected on the opposite side. Due to this symmetrical occlusion, there is little effect on the marker centroid and therefore tracking loss is less likely.

Tool Integration

In contrast to the NDI passive sphere, the Radix Lens is not used directly in the form that it is supplied. The Radix Lens must first be incorporated into a tool or mounting base so that it may be attached to a passive tool. Please contact NDI for details regarding integration of the Radix Lens with passive tools.

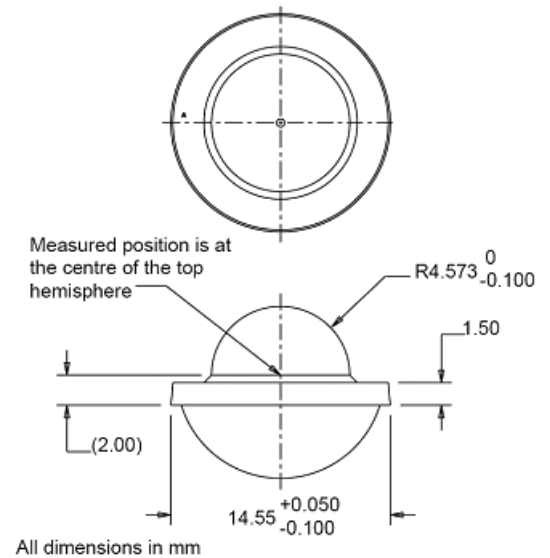


Figure - Mechanical Details

Off-Angle Viewing

The Radix lens has a maximum marker angle of $\pm 70^\circ$.



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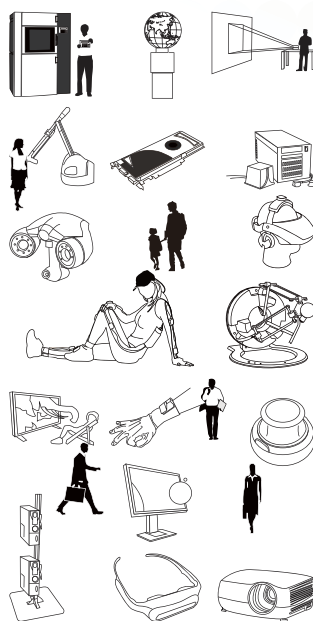
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作为亚洲地区超大虚拟现实、增强现实、视觉仿真软件及硬件产品的首选网络经销商，我们的目标是将SouVR建设成产品全面、价格透明、服务及时的VR产品网上超市。

SouVR的核心团队有着超过十年的VR产品营销和推广经验，已在包括研发、教育、自动化、航空航天、军事、医疗、石油天然气、数字艺术、广播及安全等领域服务过上千客户。

SouVR坚持公开、公正、合理、透明和本土化的服务理念，不断的深入与虚拟现实原厂的合作关系，旨在为大中华区客户提供真实、有效、全面的虚拟现实产品和服务。截止到目前，SouVR共有13个大类，51个小类，共900多个产品，几乎囊括了全球所有的3D/VR产品。在此基础上，SouVR联合欧美虚拟现实原厂举办的“3D/VR产品展示季”活动，让中国客户零距离体验到新鲜、刺激、逼真的虚拟现实产品及技术，并赢得欧美原厂、业内专家和广大客户的一致好评。与此同时，SouVR还推出了《虚拟现实产品大全》，其产品种类、型号、价格等各种数据的对比，一目了然，使客户能够快速、准确的选择所需要的产品。

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