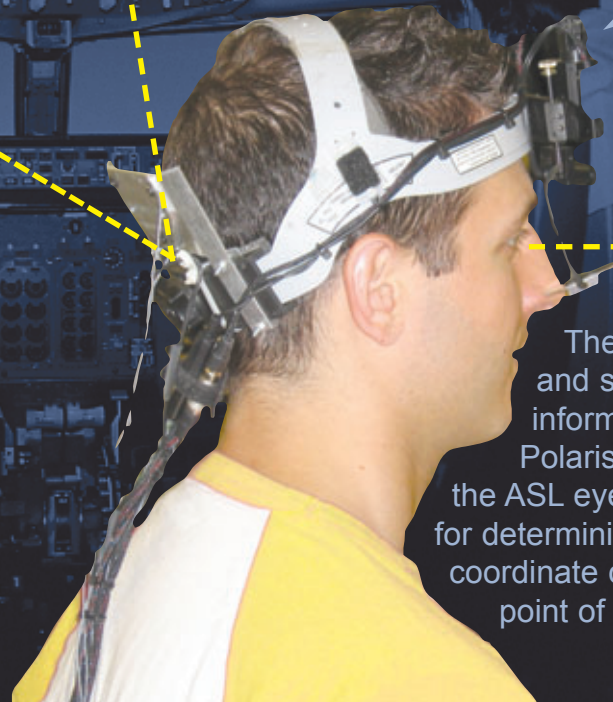


# Expand Your *Research and Simulation Capabilities* with *Optical Based Eye-Head Tracking.*



The NDI Polaris System accurately tracks your subject's head location and orientation.

The ASL eye-tracker determines the pupil's orientation.



The combined and synchronized information from the Polaris System and the ASL eye-tracker allows for determining the 3D coordinate of the subject's point of gaze.

## Real-time, High Accuracy Eye-Head Integration

brought to you by



and



Eyetracking Expertise  
Applied Science Laboratories

# NOT AFFECTED BY METAL OR MAGNETIC FIELDS! IDEAL FOR ANY INDOOR ENVIRONMENT.

Eye-head integration allows for real-time data collection of your subject's point of gaze as your subject moves.

Your subject's head position and orientation is captured using NDI's Polaris System. Thus there is no need to restrict your subject's head to one position/orientation.

With exceptional accuracy (up to 0.35 mm RMS), the Polaris system is ideally suited for capturing head position/orientation information.

This information, along with the ASL eye-tracker information, is used to determine where your subject is looking at all times.

The eye-gaze information is stored digitally and can be quickly processed to determine the behavior of your test subject. Also, the information can be processed in real-time to facilitate interactive feedback for research or simulation.

With eye-head integration, time consuming frame-by-frame examination of video data is not required to determine your subject's point of gaze.

The Polaris System is not affected by metal or magnetic fields within the study or simulation environment. This makes the Polaris the ideal tool for cockpit simulations or any indoor study environment.

**For more information, please contact:**



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Established 25 years ago, NDI is trusted by international leaders in medicine, industry and research for the accuracy and reliability of its measurement technology. NDI systems are used in applications from computer-assisted therapy to aeronautics; from quality inspection to human motion research. Today, the company is a world leader in advanced 3D measurement technology with over 9,500 installations in more than 30 countries around the world.



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ASL has been the leader in eye tracking technology for over 30 years. ASL was the first company to develop a head mounted eye tracker, Eye/Head integration, parallax free optics, head position assisted remote optics and many other features that now have become industry standard. This innovative spirit continues today with the world's broadest and most comprehensive line of video based eye trackers.