

The Science to See™

Neuro Kinetics, Inc.'s (NKI) I-Portal® tools provide the Science to See diagnostically sensitive information required for timely, accurate diagnoses.



I-Portal® Technology

I-Portal technology is used around the globe for precise, non-invasive, multi-modal, **neural assessments** using oculomotor, vestibular, and reaction time (OVRT) tests. With over 30 years of **clinical eye tracking** know-how, NKI designs, manufactures and sells devices used extensively in clinical settings to recognize the telltale patterns of diseases related to our vestibular, peripheral, and central nervous systems.

Objectivity, Reliability, Sensitivity

- Integrated hardware combines the highest quality commercial components
- Best practices in manufacturing (ISO, GMP, and TUV certifications), manufactured systems design, and software development
- VEST™ proprietary operating software with advanced, easy-to-use analytical tools

More Science to Come!

NKI is constantly expanding the power of its technology and the clinical indications supported by its versatile I-Portal platforms. Currently, NKI's research focus is on concussions and mild traumatic brain injury (mTBI), with other medical conditions to follow. Research has shown abnormal eye movements are correlated with over 200 diseases and medical conditions.

NKI – Committed to precision tools to provide the Science to See.

Innovations & Accomplishments

- 22 issued patents, 10 pending patents
- 30+ OVRT tests, including the largest number of FDA-cleared tests
- Innovative firsts: Clinical Barany system; high-speed pupilometer; fiber optic slip-rings; controlled head impulse (crHIT); multi-modal portable I-PAS™
- Decades of experience built into I-Portal® systems used clinically across 10 countries
- Twice the *Pittsburgh Business Times*' Manufacturer of the Year
- Head Health Challenge II Awardee (sponsors: NFL, Under Armour, and General Electric) and numerous other research contracts and grants

Throughout its history, NKI 's commitment has been to science and to translating that science into clinical practice. Importantly, our cutting edge eye tracking technology has led to ground-breaking research and enhanced clinical practice:

Research: concussion, therapy, & diabetic retinopathy

Clinical Practice: oculomotor, vestibular, and neurotologic issues

Solutions



I-PAS™

I-PAS™ (I-Portal® Portable Assessment System)

Portable, head-mounted, clinical eye tracking system with integrated, digital display. OVRT tests run in a matter of minutes on I-PAS, enabling medical insights that physicians may interpret for diagnosis, treatment, or return-to-play decisions, affecting sports organizations, athletes and their families.



I-Portal® NOTC

I-Portal® NOTC (Neurotologic Test Center)

Provides clinicians with a state-of-the-art, complete vestibular neurotologic testing system that allows for greater confidence in understanding patients' health via its ability to include rotational vestibular testing that challenges a broader range of physiological pathways. The system includes full field optokinetics, true Pursuit Tracking™ and NKI's patented I-Portal clinical eye tracking.



I-Portal® 4D VNG

I-Portal® 4D VNG Systems

Mobile, lower profile, state-of-the-art devices for adding vestibular diagnostic capability to the clinic. The I-Portal VNG's also feature NKI's patented eye tracking goggle.

These systems provide real time binocular eye data and stimulus feedback. Choose from a model that includes full field optokinetic and true Pursuit Tracking™ laser diode technologies mounted with a computer on a cart-based system (I-Portal® SVNG-2), or for even greater portability, a simpler configuration of computer plus eye tracking goggles alone to perform a limited test battery.



I-Portal® Falcon™ VOG

I-Portal® Falcon™ 4D Eye Tracking (VOG)

All I-Portal systems include the fully digital I-Portal VOG, 100 Hz, 4D eye tracking technology. The patented, lightweight I-Portal® Falcon™ goggle – or video-oculograph (VOG) – can also serve as an advanced video Frenzel. Additionally, Falcon can be added modularly to I-PAS for added versatility.

Test data from all I-Portal devices can be interpreted interchangeably.