

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

Concussions remain a growing health concern, particularly in the absence of objective testing.

Neuro Kinetics' **I-PAS™ (I-Portal® Portable Assessment System)** is a portable, lightweight, and easy-to-use system that integrates NKI's world-leading eye-tracking technology with a compact, head-mounted 2D and 3D stimulus display. With over a dozen OVRT (oculomotor, vestibular, and reaction time) tests cleared by the FDA, you have precise, critical, and objective clinical measurements when you need them.



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

Multi-modal OVRT Test Battery (Oculomotor, Vestibular and Reaction Time)

How It Works:

Infrared lights invisible to the patient enable embedded, USB-3 cameras to capture the eye images in the dark goggle at 100 Hz or more.

I-Portal® software shows the eyes in real time, as well as eye traces and stimulus graphs. VEST™ software works in tandem to synchronize eye tracking and stimulus presentation, allowing comparisons between the two such as latency.

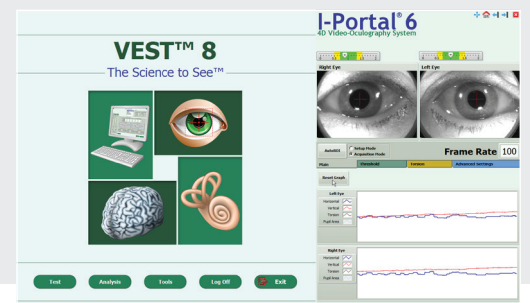
The operator uses the powerful, proprietary analysis tools in VEST to generate reports and filter or investigate data in greater detail.

What Does a Session Look Like?

Patients slip on the lightweight, head-mounted goggle, adjust the focus, and interact visually with lights presented on the internal goggle screen, or manipulate them with a hand-held button box.

The test operator sits close by and uses VEST™ software on the I-PAS computer to select the desired tests, alter settings, and or choose a pre-defined test battery, then provides the patient with simple test instructions.

Software screens are designed for efficient testing and versatile analysis.



I-PAS™

The Science To See™ In a Portable Solution

I-PAS™ includes:

- **I-Portal Software:** Real time 100 Hz or higher binocular video & data acquisition, with eye image display
- **VEST™ Software:** Configurable tests and test batteries; Analysis manager utility to save filter
- High speed computer
- Button box for patients' inputs

Compatible with I-Portal Falcon™ VOG



Get Up and Running

I-PAS is best used in an environment without noisy distractions. Training is highly recommended. NKI offers a range of customer support including training programs, user guides, telephone, web, and online help.

Extensive, FDA-cleared* test battery provides torsional, horizontal, vertical, and pupilometry measurements with over ninety variables in all.

Test Capabilities:

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| <ul style="list-style-type: none"> • Spontaneous Nystagmus, Horizontal • Spontaneous Nystagmus, Vertical • Gaze, Horizontal • Gaze, Vertical • Subjective Visual, Vertical • Subjective Visual, Horizontal • Caloric Test • Positional Test • Positioning Test | <ul style="list-style-type: none"> • Smooth Pursuit, Horizontal • Smooth Pursuit, Vertical • Random Saccades, Horizontal • Random Saccades, Vertical • Optokinetic (full field for true OPK testing) • Custom test |
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* Contact NKI for information on tests available for clinical investigations only.

Key Specifications

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| <ul style="list-style-type: none"> • Weight: 1 lb. 5 oz. (595 grams) • Display Resolution: 2560 x 1440 • Field of View: 40° (20°/eye) • Eye Tracking Range: ±30° horizontal; ±30° vertical; ±10° torsional | <ul style="list-style-type: none"> • Spatial Resolution: horizontal and vertical, 0.01 to 0.02; ≤0.1 torsional • IPD Fit: 55 to 70 mm • Dioptic Adjustment: +4 to -4 |
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I-PAS: Designed and developed based on over thirty years of dedicated research. U.S. FDA clearance. ISO Certified. ANSI and EN compliant.

Neuro Kinetics, Inc.: 22 U.S. patents and additional patents pending. Designing, developing, producing and selling medical devices since 1984.