

Science **made** smarter

VisualEyes™

Vestibular testing
made visionary

VNG, vHIT, DVA,
AHR and rotary
chair testing in
one integrated
system

Micromedical
by Interacoustics



Interacoustics

Audiometry

Tympanometry

ABR

OAE

Hearing Aid Fitting

Balance
~~~~~



Advanced  
oculomotor tests  
to meet the  
needs of every  
clinic

# Tailor your own vestibular package according to the needs of your clinic

## **Modularity for any balance clinic**

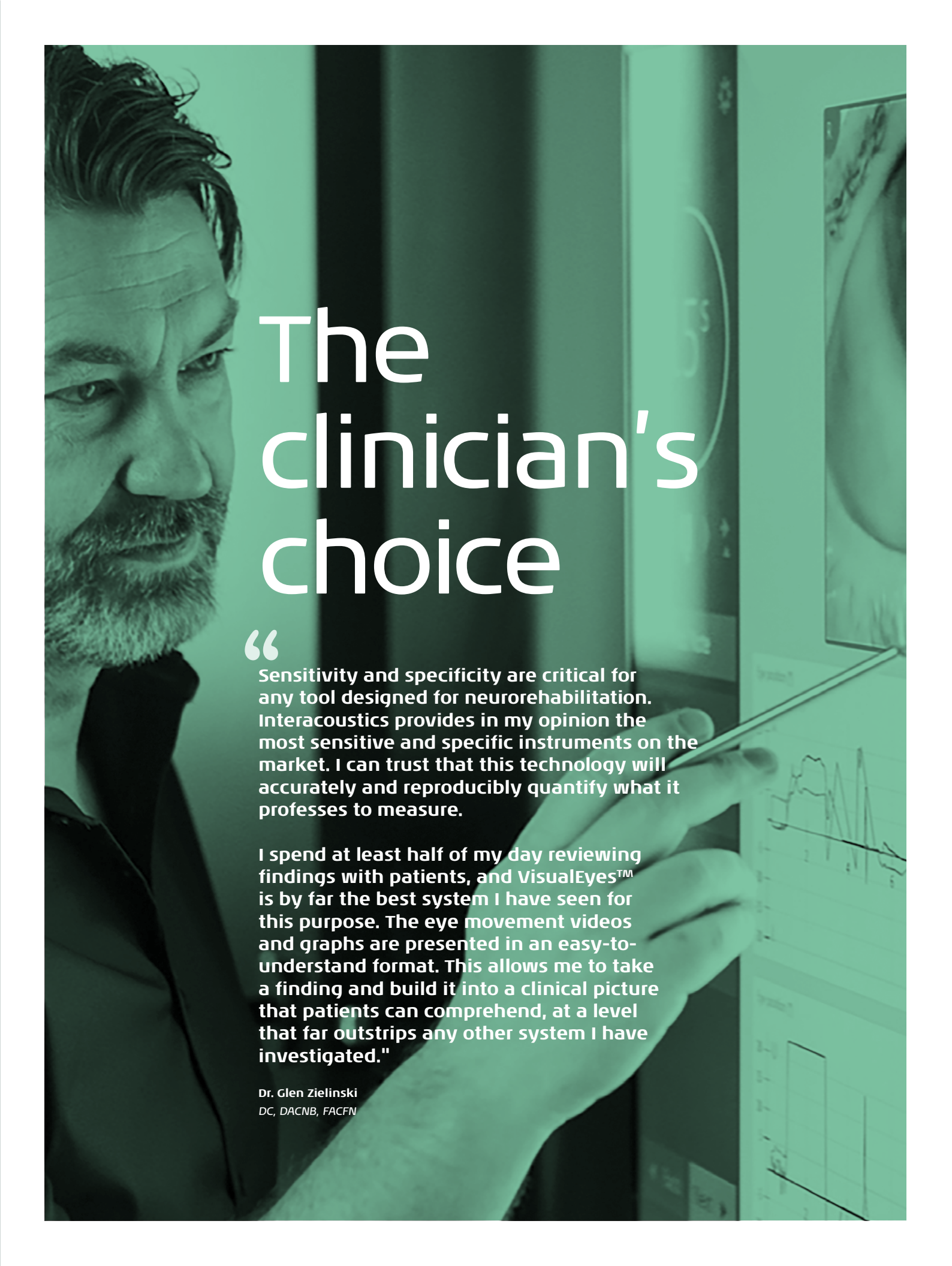
Our many years of experience have been consolidated into one single VisualEyes™ software platform. With a variety of software bundles and hardware options to choose between, you can purchase what you need now and follow simple upgrade paths down the road as your business needs change.

## **Made by clinicians for clinicians**

VisualEyes™ allows you to combine the vestibular technologies that fit the needs of your practice. For clinical purposes, protocols such as saccadometry, features such as a torsion algorithm, and convenience such as an integrated database and data export will provide limitless opportunities.

## **Made to grow with your practice**

VisualEyes™ provides you with a solid foundation that you can build on for years to come. No matter your clinical practice, it is a smart choice.

A man with a beard and dark hair is looking intently at a computer monitor. The monitor displays a graph with a line and a medical image of a person's head. The entire scene is overlaid with a semi-transparent green filter.

# The clinician's choice

“

Sensitivity and specificity are critical for any tool designed for neurorehabilitation. Interacoustics provides in my opinion the most sensitive and specific instruments on the market. I can trust that this technology will accurately and reproducibly quantify what it professes to measure.

I spend at least half of my day reviewing findings with patients, and VisualEyes™ is by far the best system I have seen for this purpose. The eye movement videos and graphs are presented in an easy-to-understand format. This allows me to take a finding and build it into a clinical picture that patients can comprehend, at a level that far outstrips any other system I have investigated.”

Dr. Glen Zielinski  
DC, DACNB, FACFN

# VisualEyes™ made integrated



## Videonystagmography (VNG)

VisualEyes™ 525

## Video Frenzel

VisualEyes™ 505

## Rotary chairs

Orion Auto-Traverse  
Orion Comprehensive  
Orion Reclining

## EyeSeeCam vHIT

## VORTEQ™

Diagnostic Package  
Assessment Package

## Caloric Irrigators

Air Fx  
Aqua Stim



Small face goggle / pediatric



Top mounted cameras goggle  
w/start button

# A goggle solution for the needs of every clinic



Side mounted cameras goggle  
w/foam inserts



EyeSeeCam vHIT goggle



Headband





New  
powerful  
torsional  
eye tracker

# VisualEyes™ modules

**For balance centers, vestibular audiologists and neurologists:**

**VisualEyes™ 525**

VisualEyes™ is our full range VNG system, which allows you to quantify the functionality of the peripheral vestibular system and the central vestibular pathways. You can choose between various tracking algorithms to diagnose the hard cases that less advanced systems might miss. Protocols such as the Ocular Counter Roll with torsional eye tracking and Saccadometry will help you to obtain an even more detailed understanding of your patient's central vestibular disorders so neurorehabilitation therapies can be derived from this data.

**For ENT offices and vestibular clinics:**

**VisualEyes™ 525**

VisualEyes™ offers a user-friendly interface that is intuitive and easy to learn. The advanced editing options provide the flexibility needed when analyzing detailed nystagmus results, such as calorics. Combine VisualEyes™ 525 with the AirFx or AquaStim caloric irrigators, and Orion rotary chairs for the most advanced means of assessing vestibular function. With the built-in pediatric stimuli and addition of a small face goggles, VisualEyes™ 525 can also enhance your pediatric vestibular evaluations.

**For satellite offices, physical therapists and general medicine:**

**VisualEyes™ 505**

VisualEyes™ 505 is a video Frenzel system unlike most. You can access a substantial amount of clinical data with the spontaneous nystagmus test, which utilizes a nystagmus detection algorithm, offering you great support when diagnosing vestibular disorders. To further your functional assessments and BPPV tests, you have the option to add the advanced Dix-Hallpike, lateral head roll and dynamic visual acuity tests.

# Upgrade your vestibular package down the road as your needs change

## **EyeSeeCam vHIT**

Having EyeSeeCam vHIT included in VisualEyes™ allows you to generate a single report with both your vHIT and VNG results combined. You can also now perform monocular oculomotor testing using the EyeSeeCam vHIT goggle. This can save you time when you just need a quick look at how the eyes are moving and to check for gaze nystagmus or abnormal eye movements.

With EyeSeeCam vHIT, the ability to simultaneously evaluate eye and head movements can also aid in neurological assessments.

## **VORTEQ™ Diagnostic**

This package is a practical update to clinics that do not have a lot of extra space but want to add more functionality. It adds VORTEQ™ Active

Head Rotation (AHR), which allows you to assess gain, phase and symmetry of the VOR and faster head speeds. You can also use your existing VNG goggle to perform a binocular head impulse test, which can be interpreted along with the results from your VNG test. This package can be added on to VisualEyes™ 525.

## **VORTEQ™ Assessment**

This package can be added on to VisualEyes™ 505 or 525, and includes the BPPV module (advanced Dix-Hallpike, lateral head roll and dynamic visual acuity tests). It is ideal for balance clinics with limited space that require extra functionality. With the VORTEQ™ inertial measurement unit (IMU), you get more objective assessments compared to conventional bedside tests.

## **Research Module**

The research module is designed for researchers, scientists and universities. This new tool can be added on to your VisualEyes™ 525 system to give you the flexibility you need to complete your research. The research module allows you to modify all nystagmus detection parameters and provides easy export of data to an Excel spreadsheet.

## **Electronystagmography (ENG)**

Clinics are often faced with patients that cannot wear or tolerate video goggles. This is common in small children and patients with nose injuries. For these instances, we offer an ENG option, which can be added on to your VNG system or Orion chair to allow for electrode-based oculography recordings.



Options  
are available  
for all clinical  
settings

**VORTEQ™ Diagnostics**

- Active Head Rotation (AHR) and VORTEQ™ vHIT with VNG goggles

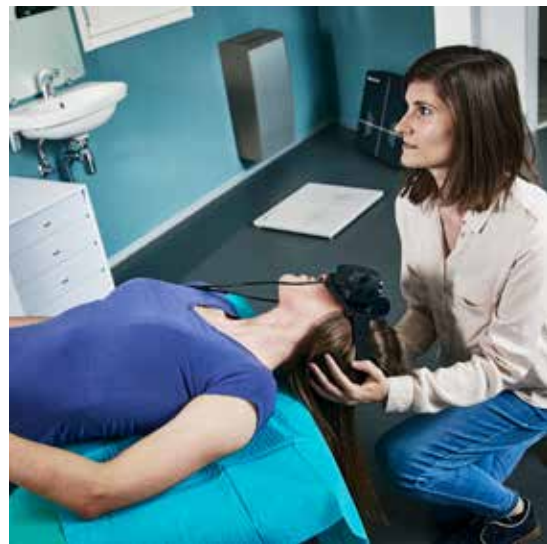


**VORTEQ™ Assessments**

- Dynamic Visual Acuity (DVA)



EyeSeeCam vHIT module



VORTEQ™ Assessments BPPV module  
(Advanced Dix-Hallpike and Lateral Head Roll)



Orion Reclining



Orion Comprehensive

# Orion rotary chair series

## Rotary chair testing made versatile

Rotary chair testing is an objective assessment of vestibular function. The VisualEyes™ platform integrates with the Orion chairs for advanced vestibular evaluations. Choose between Orion Auto Traverse, Orion Comprehensive and Orion Reclining.

- Orion auto-traverse: Rotary chair with off-axis centripetal acceleration.
- Orion comprehensive: Rotary chair that is ideal for pediatric assessments.
- Orion reclining: Designed for clinics with space-saving needs.

Expand your practice with Orion rotary chair options





Orion Auto-Traverse

# Science made smarter

## Interacoustics is more than state-of-the-art solutions

Our mission is clear. We want to lead the way in audiology and balance by translating complexity into clarity:

- Challenges made into clear solutions
- Knowledge made practical
- Invisible medical conditions made tangible and treatable

Our advanced technology and sophisticated solutions ease the lives of healthcare professionals.

We will continue to set the standard for an entire industry. Not for the sake of science. But for the sake of enabling professionals to provide excellent treatment for their millions of patients across the globe.

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Go online to  
explore our  
full product  
range

## Related products



**TRV Chair**  
Diagnosing and treating  
Benign Paroxysmal  
Positional Vertigo (BPPV)



**Air Fx & Aqua Stim**  
Versatile caloric air and  
water irrigators



**Eclipse**  
Combine VEMP with the  
Interacoustics VNG system for  
a complete balance system

### Product specifications

All technical and hardware specifications concerning all products can be downloaded from our website.

