

Dynamic Vision

Core RightEye Assessment Module



RightEye's Revolutionary Eye-Tracking Technology Measures & Improves Dynamic Vision

Vision is the most dominant of all the senses. 80% or more of all information we acquire is through sight, and 90% of our brain function is spent processing tasks related to vision. Yet, a standard vision exam lacks the ability to assess vision beyond static acuity.

Life's most essential activities require Dynamic Vision skills such as vision tracking, eye teaming, eye-hand coordination, and more. Without dynamic vision skills, our balance, reading comprehension, ability to drive, catch a ball - our overall wellness - is all compromised.

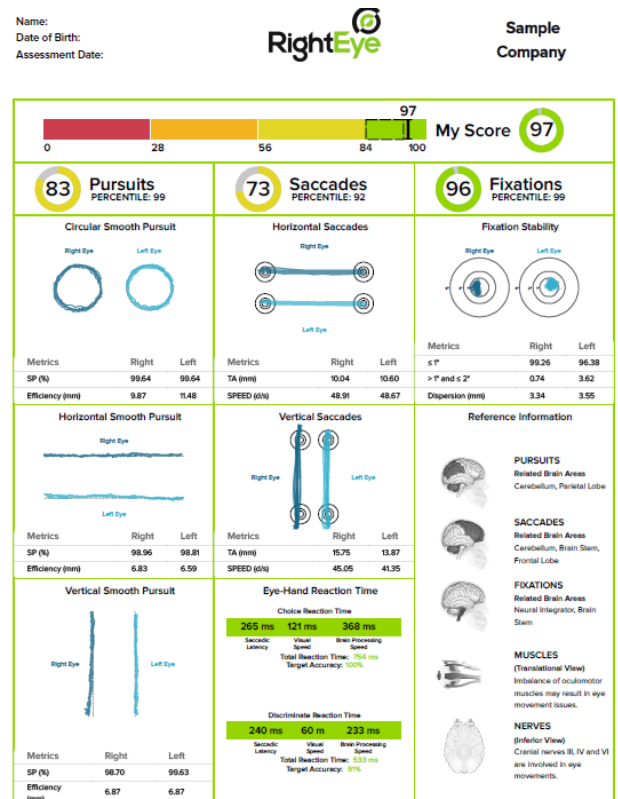
RightEye's non-invasive Dynamic Vision Module™ tests, records, analyzes, and reports minute eye movement patterns at a level of detail not feasible through observation-only exams.

Objectively measure dynamic vision impacting everyday wellness:

- Evaluate baseline performance in 5 minutes
- Produce real time comprehensive results to illustrate impairments
- Compare results to age-based reference data
- Quantify recovery with side-by-side comparisons of previous results
- Access profiles and results through a secure online dashboard.

RightEye reports show a difference you can see!

Dynamic Vision reports include video replays of pursuits and saccades. The reports illustrate eye movements and vision tracking, and quantifies patient's overall score, eye movements scores, and visualizations to uncover the story of dynamic vision health.



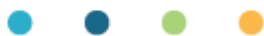
Dynamic Vision

Core RightEye Assessment Module



4 Steps

5-minute test.
A lifetime of benefits.



The Dynamic Vision Module, and Dynamic Vision Trainer™ work together to identify and improve oculomotor impairment uncovered through the Dynamic Vision report without the need for additional training or staff.



1. Quantify Dynamic Vision skills.

From a 5-minute test, identify vision strengths and weakness affecting general wellness.



2. Identify oculomotor function.

Immediately generate a report to review metrics and visualizations based on eight eye-tracking tests.



3. Prescribe treatment

Assign customized at-home training programs as needed.



4. Measure progress.

Schedule a follow-up visit to retest and track vision improvement.



The RightEye VisionTracker2™ weighs less than seven pounds, works wired or wirelessly and can easily be operated by any office personnel.

The RightEye Dynamic Vision Assessment precisely measures the vision skills that affect everyday life, including:

- Circular pursuit
- Vertical pursuit
- Horizontal pursuit
- Horizontal saccades
- Vertical saccades
- Choice reaction time
- Discriminate reaction time
- Fixation stability



Learn More Today!

Call: (574) 259-2070

Email: info@bernell.com

Visit: www.bernell.com

Name:
 Date of Birth:
 Assessment Date:



Sample
 Company

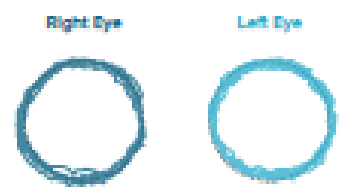


83 Pursuits
 PERCENTILE: 99

73 Saccades
 PERCENTILE: 92

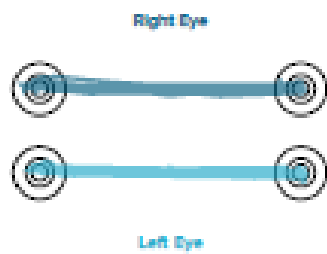
96 Fixations
 PERCENTILE: 99

Circular Smooth Pursuit



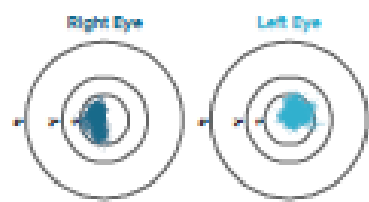
Metrics	Right	Left
SP (%)	99.64	99.64
Efficiency (mm)	9.87	11.48

Horizontal Saccades



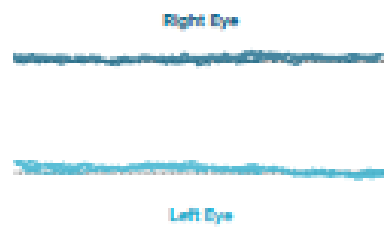
Metrics	Right	Left
TA (mm)	10.04	10.60
SPEED (d/s)	48.91	48.67

Fixation Stability



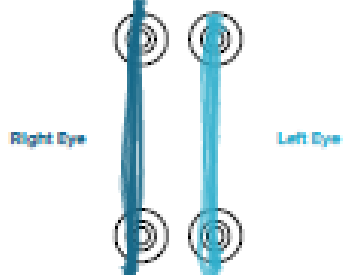
Metrics	Right	Left
≤ 1°	99.26	96.38
> 1° and ≤ 2°	0.74	3.62
Dispersion (mm)	3.34	3.55

Horizontal Smooth Pursuit



Metrics	Right	Left
SP (%)	98.96	98.81
Efficiency (mm)	6.83	6.59

Vertical Saccades



Metrics	Right	Left
TA (mm)	15.75	13.87
SPEED (d/s)	45.05	41.35

Reference Information



PURSUIITS
 Related Brain Areas
 Cerebellum, Parietal Lobe



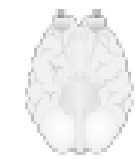
SACCADES
 Related Brain Areas
 Cerebellum, Brain Stem, Frontal Lobe



FIXATIONS
 Related Brain Areas
 Neural Integrator, Brain Stem

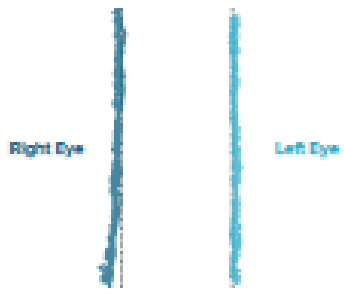


MUSCLES
 (Translational View)
 Imbalance of oculomotor muscles may result in eye movement issues.



NERVES
 (Inferior View)
 Cranial nerves III, IV and VI are involved in eye movements.

Vertical Smooth Pursuit



Metrics	Right	Left
SP (%)	98.70	99.63
Efficiency (mm)	6.87	6.87

Eye-Hand Reaction Time

Choice Reaction Time

265 ms	121 ms	368 ms
Saccadic Latency	Visual Speed	Brain Processing Speed
Total Reaction Time: 754 ms		
Target Accuracy: 100%		

Discriminate Reaction Time

240 ms	60 m	233 ms
Saccadic Latency	Visual Speed	Brain Processing Speed
Total Reaction Time: 533 ms		
Target Accuracy: 91%		