

# Dynamic Vision

RightEye Assessment Module



## RightEye's Revolutionary Eye-Tracking Technology Measures and Illustrates 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.

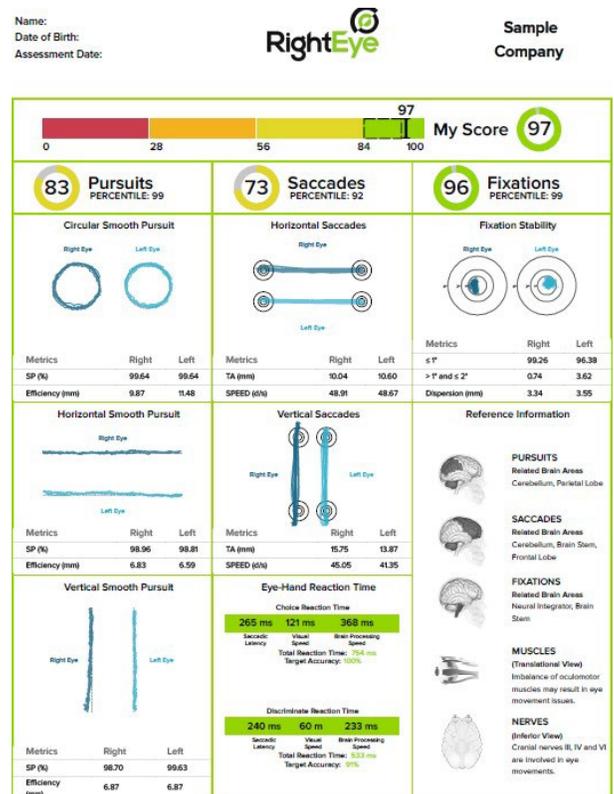
RightEye's non-invasive Dynamic Vision Module™ tests, records, analyzes, and reports minute eye movement patterns at a level of detail not feasible through observation-only exams.

### 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 tracks and illustrates 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. **At-Home 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

**RightEye**®

**BERNELL**®  
A DIVISION OF VISION TRAINING PRODUCTS, INC.

Learn More Today!  
Call (574) 259-2070  
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Visit: [www.Bernell.com](http://www.Bernell.com)

Name:  
 Date of Birth:  
 Assessment Date:



My Score **97**

**83** Pursuits  
PERCENTILE: 99

**73** Saccades  
PERCENTILE: 92

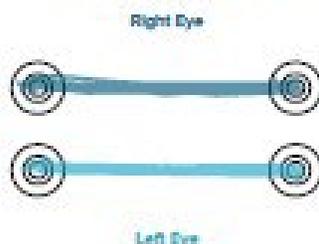
**96** Fixations  
PERCENTILE: 99

Circular Smooth Pursuit



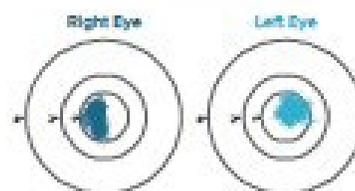
Metrics	Right	Left
SP (%)	99.64	99.64
Efficiency (mm)	9.87	11.48

Horizontal Saccades



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

Fixation Stability



Metrics	Right	Left
$\leq 1^\circ$	99.26	96.38
$> 1^\circ$ and $\leq 2^\circ$	0.74	3.62
Dispersion (mm)	3.34	3.55

Horizontal Smooth Pursuit



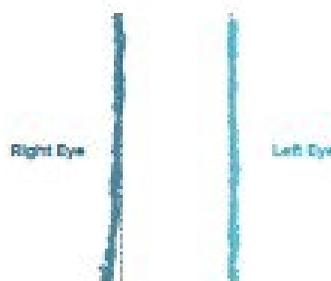
Metrics	Right	Left
SP (%)	98.96	98.81
Efficiency (mm)	6.83	6.59

Vertical Saccades



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

Vertical Smooth Pursuit



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

Eye-Hand Reaction Time

Choice Reaction Time

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

Discriminate Reaction Time

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

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.