

EyeSwift® PRO

EYE TRACKING BASED VISION ASSESSMENT



NovaSight

A Clear Future Ahead



Accurate vision assessment at the earliest age is imperative for proper eyesight development

- The EyeSwift®Pro is a quick, accurate, and affordable visual assessment system based on advanced eye-tracking technology, to be used by any trained individual.
- The system incorporates test glasses - active and passive - in order to automatically control the content seen by each eye, and to allow for automatic occlusion.
- Designed both for pediatric and adult patients, the EyeSwift®Pro requires minimal patient cooperation - patients simply watch fun short, animated videos.
- No language or verbal skills are required for most of the tests, so even very young children can be tested.
- The EyeSwift®Pro delivers quantitative assessment of multiple vision deficits.



Accurate



Objective



Easy to use



Dynamic



Children friendly



Fast

AN EYE TRACKING BASED VISION ASSESSMENT

- The EyeSwift[®]PRO tests are grouped into automated 'protocols' by category (such as amblyopia monitoring, binocular vision, digital strain, reading, etc).
- Each protocol performs the relevant tests, and outputs a clear report which can be easily understood by the operator, as well as by the patient or parent.

COMPREHENSIVE VISION TESTS



EyeSwift[®]PRO PROTOCOL OUTPUT

AMBLYOPIA MONITORING

- Comprehensive amblyopia monitoring
- Synergetic to CureSight™
- Amblyopia risk factors
- Eye deviation (tropia and phoria)
- Automated visual acuity with distance simulation
- Fixation stability
- Stereoacuity
- Suppression (W4D)

MYOPIA MONITORING

- Automated visual acuity with distance simulation
- Eye deviation (tropia and phoria)
- Recommendation for myopia control

BINOCULAR VISION

- Eye deviation (tropia and phoria)
- Ocular motility
- Fixation stability
- Treatment & lenses recommendation
- Monitoring over time

DIGITAL STRAIN

- Deficient vision at screen distance
- Latent deviation (phoria)
- Blinking rate and duration as indicators for dry eye
- Lenses recommendation

PEDIATRIC OPHTHALMOLOGY

- Nystagmus
- Eye deviation (tropia and phoria)
- Automated visual acuity and contrast sensitivity
- Presentation of results acc. to age norms
- Recommendations for further investigation

VISUAL HEALTH

- Contrast sensitivity
- Automated fixation stability
- Ocular motility

READING ANALYSIS

- Presentation of results acc. to language and age-related norms
- Reading ability progression over time
- Differentiation between ocular and non-ocular causes for deficient reading
- Recommendations for further investigation

