VerifEye Fact Sheet

Product Description

VerifEye (U.S. patent pending) is the world's first mobile app that can quickly and accurately verify truth with a 10-minute test by measuring changes to involuntary eye behavior (pupil dilation, eye movements, blinks, fixations) and other physiological measures. VerifEye tests can be self-administered or proctored anywhere in almost any language.

Inventor/Manufacturer

Converus Inc., headquartered in Lehi, Utah.

U.S. Release Date

June 27, 2023 (released to rest of world 3/8/2023)

Operating Systems

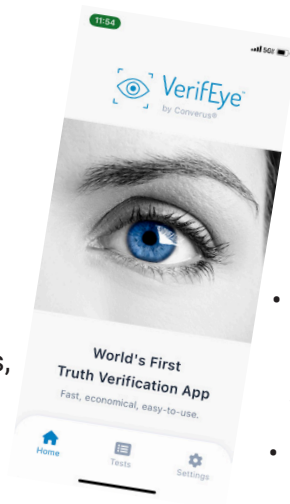The VerifEye app is available for Apple (iOS) and Android phones.

Accuracy

Test results are scored with a decision model that uses a binary logistic regression equation developed using artificial intelligence and natural language processing with a mean accuracy near 80%.

Test Description

A mobile ocular-motor truth verification test, which measures changes to involuntary eye behavior and other physiological changes.

Reason for VerifEye

Studies show how important it is for organizations to implement formal credibility assessment processes to help assure employees, contractors, vendors and others are trustworthy. For example, 71% of companies across North and Latin America have experienced internal or external fraud in the last 12 months. [Source: A triple threat across the Americas: KPMG 2022 Fraud Outlook] In addition to employment screening, there are many scenarios where verification of truthfulness is needed, including the verification of identity, personal or professional profile, credit risk, insurance claims, sobriety, fidelity and many more.

Types of Tests

- Employment: Vet job applicants or contractors or to monitor existing employee or contractor behavior.
- Identity: Validate a person's identity for financial services, to verify the truthfulness of a self-reported, personal or professional profile, or to validate a person's identity for access control.
- Creditworthiness: Determine credit risk for new client accounts, loans, or lines of credit.
- Claims: Verify the truthfulness of insurance claims, to test for compliance with a treatment program or parole terms and conditions, or to resolve allegations of sexual misconduct.
- Infidelity: Verify if a person has been faithful to a spouse, partner or significant other.
- Sobriety: Verify a person has been sober from drugs, alcohol, gambling or pornography.

Testing Steps

1. The test taker must have an Android or iOS phone.
2. The test taker downloads and installs the VerifEye app.
3. A test link is created by an organization or authorized Converus Service Partner and sent to the test taker by text message or email.
4. Upon clicking the test link, the app presents pre-test instructions to the test taker.
5. The test taker takes a practice test to become familiar with the process, and it's followed by the actual test.
6. Upon completion of test, data are uploaded to the cloud and results (truthful or deceptive) are sent to either the test taker or administrator.

Testing Protocol

VerifEye tests can focus on one relevant issue as used in an investigation (did you steal the money) or on up to four relevant issues as used in screening tests. Both testing protocols are based on the Audio Multi-Issue Comparison Test (AMCT) protocol, originally developed by Dr. John Kircher in 2019.

Benefits

- Convenience of a mobile phone app.
- Fast, accurate, easy to use, automated, affordable.
- Test taker can self-administer the test (no supervision required) anywhere in the world.
- No specialized equipment or supervisory testing personnel required.
- Can be used on a mass scale.
- Screen job applicant or current personnel for disqualifying behaviors
- Reduce workplace risk, theft and fraud.
- Hiring better quality candidates and reduce employee turnover.
- Confirm a person's identity.
- Confirm a person's trustworthiness.
- Validate credit history, an account application, and documents to verify credit risk.
- Verify statements made about insurance claims, online personal or professional profiles, parole or treatment compliance, infidelity allegations, etc.

Potential Customers

- Employers (In the U.S., public entities only, such as governments or public safety agencies)
- Private security companies
- Financial services companies
- Insurance companies
- Online dating sites
- Online marketplace sites
- Those married or in a relationship
- Treatment providers
- Departments of corrections
- Border or passport control
- Ride-share companies
- Car rental companies
- Consumer lodging/housing

Alternative Technologies for Screening Personnel

Organizations use the following methods to screen or vet personnel:

- Personal interviews – Not a reliable deception detection method.
- Integrity tests – Offer levels of accuracy in the range of 50 to 65%.
- Aptitude test – Do not measure deception or past behaviors.
- Personality tests – Do not measure deception or past behaviors.
- Polygraph – More invasive with a longer testing process requiring specialized equipment and an examiner; not a mass scale solution; higher accuracy.
- EyeDetect – A slightly longer, very accurate testing process requiring specialized equipment and an examiner; not a mass scale solution.
- Voice stress analysis – More invasive with a longer testing process requiring specialized equipment and an examiner; not a mass scale solution; lower accuracy than VerifEye.

For more information, see this comparison chart.