

## The Next-Generation Lie Detector is Here

It was only a matter of time before a new, accurate technology for credibility assessment was invented.

For almost a century, the polygraph has been the de facto standard for deception detection. But since 2003, scientists have researched and developed a different — yet equally effective — scientifically validated solution that can be used together with the polygraph or as an alternative in appropriate applications.

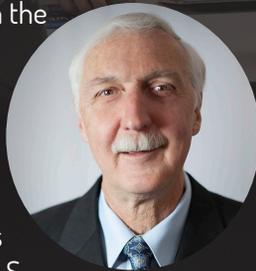
The polygraph measures a person's physiological responses, whereas EyeDetect® monitors eye behaviors related to changes in cognitive load. The two techniques provide largely independent sources of diagnostic information, which may be used in combination to obtain greater confidence in evaluating test results.

### Converus Chief Scientist Dr. John Kircher

Dr. Kircher is a widely recognized expert in government and industry on the subject of deception detection.

He has published more than 90 scientific publications and technical reports in the field of psychophysiological detection of deception and has served as a consultant to the U.S.

Department of Defense, U.S. Secret Service, U.S. Department of Homeland Security, National Science Foundation, National Research Council, Royal Canadian Mounted Police, and numerous state and local police departments.



## Revolutionary Technology for Exposing Lies and Corruption

Corruption is a multibillion-dollar problem worldwide. As an example, the World Bank Institute says that more than \$1 trillion dollars is paid in bribes annually.

It's no wonder corruption is regarded as the single greatest obstacle to economic and social development. It disrupts markets, cripples economic growth, debases democracy and undermines the rule of law.

Those who lie, deceive and participate in unethical activities hurt businesses, governments, law enforcement agencies, communities, relationships and more.

How can deception be exposed? Who can you partner with to enhance your service offering and meet your customers' needs?

The answer: **EyeDetect®** by **Converus®**. It's accurate, cost-effective, efficient, unbiased and nonintrusive. And it's precisely what's needed to help keep organizations and communities safe.



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Converus provides scientifically validated credibility assessment technologies. EyeDetect® detects deception at 86-90% accuracy in 15-30 minutes by analyzing eye and other behaviors. IdentityDetect® detects falsified identities at 91% accuracy in about 1-3 minutes by analyzing subtle variations in the motor nervous system responses. IntegrityDetect® identifies the most trustworthy individuals at 80% accuracy in 6 minutes by analyzing a person's implicit associations. These technologies help protect countries, corporations and communities from corruption, crime and threats. Converus is headquartered in Lehi, Utah, USA. Converus is headquartered in Lehi, Utah, USA. Visit: [www.converus.com](http://www.converus.com)

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## Now You Can Detect Deception Quickly and Accurately

EyeDetect is a complete, end-to-end, scientifically validated credibility assessment tool for screening or diagnostic testing.



## *“The single advantage of EyeDetect® is its accuracy.”*

– Former program manager at a federal agency

Lying causes involuntary changes in eye behavior due to increased cognitive load. EyeDetect's unique ocular-motor deception test measures these changes — including pupil diameter, eye movements, response times, error rates, eye blinks and fixations — with an eye-tracking camera that takes 60 measurements per second of each eye. At the conclusion of the test, proprietary algorithms analyze testing data to determine if the examinee is truthful or deceptive. The mean accuracy is 86 to 90%, depending on the testing technique used.

When EyeDetect is used in combination with polygraph, and if both tests obtain the same result, the confidence in testing results can reach 97 to 99%.

EyeDetect is ideal for efficiently and accurately testing for behaviors such as lying, stealing, bribery, drug use, and disclosing confidential information. It's also ideal for investigating suspected criminals, parolees, sex offenders, and unfaithful spouses.

Use EyeDetect's innovative technology to successfully “see truth.” *Never before have organizations had access to a deception detection tool this powerful.*

## How EyeDetect Works

-  1. Examinee takes a 15- to 30-minute true/false test.
-  2. Data are captured, encrypted and uploaded to a secure server in the cloud.
-  3. Proprietary algorithms provide a credible or deceptive score in less than 5 minutes.

## EyeDetect's Benefits

**Revolutionary Lie Detector** – Monitors subtle changes in the eyes to detect deception.

**Fast Results** – Tests can be completed in just 15 to 30 minutes, and results are available in less than 5 minutes.

**High Accuracy** – Classifies examinees as credible or deceptive with 86 to 90% accuracy. However, an outcome confidence as high as 97 to 99% is possible when used in combination with polygraph.

**Nonintrusive** – No cables or sensors are attached to examinees.

**Simple to Use** – Test administrators and account managers can be trained in 4 hours.

**Incorruptible & Unbiased** – Examiners cannot affect test results and testing data are encrypted in real time.

**Bank-level Secure** – Same encryption and physical security that banks use.

**Scalable** – During an average workday with breaks, a test proctor with three stations can run as many as 40 tests in a day.

**Flexible & Portable** – Have an on-site EyeDetect station or take your highly portable station to regional or remote offices to administer tests.

**Economical** – The ability to administer tests every 15 to 30 minutes per station, coupled with the short testing time, minimizes your costs.

**Complete Analytics & Reporting** – Test results may be filtered by date range, test type, department type, credibility score and more.

**Multilingual** – Tests are available in various languages.

*“EyeDetect helps us quickly identify who would make a good police officer.”*

– Ken Thomas, Former Chief of Police  
Kent Police Dept. | Kent, Washington



## Screening & Single-Issue Testing

- ✓ job candidates, employees
- ✓ security and law enforcement personnel
- ✓ parolees and probationers
- ✓ criminal suspects
- ✓ civil case participants
- ✓ spouses/significant others
- ✓ and more

## Benefits for Polygraph Examiners and Private Investigators

- ✓ quickly screen large groups
- ✓ validate results with a secondary test

*“The [technology EyeDetect]... [86%]\* of the time correctly classified the participants as guilty or innocent.”*

– Journal of Experimental Psychology:  
Applied, September 2012

\* The accuracy is now 86 to 90%.

