

**Analysing Eye Movements 'EyeDetect' Can Find If You Are Lying**

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- EVENTS & ACTIONS

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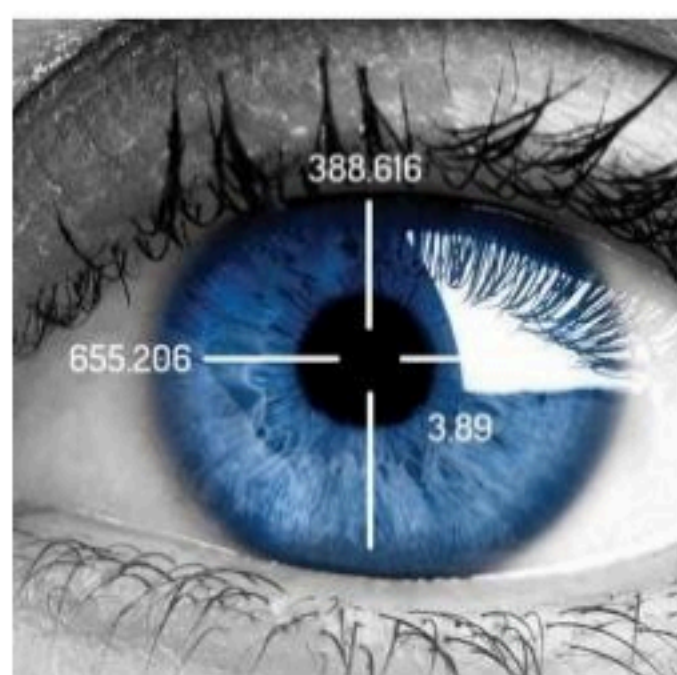
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- GADGETS

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- CAREER & JOBS
- MONEY & BUSINESS
- SPORTS & GAMES
- BOOK-MARK
- NEWS ROOM



Polygraphs are being used as a standard for deception detection from a long time. Moving one step ahead, Utah-based company 'Converus' claims to have come up with a faster, cheaper less invasive way to tell if someone is lying.

'EyeDetect' is a test that uses an infrared optical scanner and complex algorithms which work simultaneously, to track changes in pupil size and differences in the way one reads statements.

"If a person is under mental load, the pupils dilate," says John Kircher, chief scientist at Converus and one of the inventors of EyeDetect. "They take longer to read the statements, the fixations in the statements are closer together and they do more re-reading of the statements."

The eyes expose our lies. Now AI is noticing. ⓘ

by Matt McFarland @mattmcfarland  
October 4, 2017 3:18 PM ET

This technology detect lies by analyzing your eyes

**Converus Inc.**  
@Converusinc

Thank you @mattmcfarland for the great story! #LieDetector #Polygraph #USgov twitter.com/mattmcfarland/...

3:50 PM - Oct 4, 2017

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The test is complete automated that can be conducted on a large number of people leaving no chance for the possibility of bias on a group from a human administrator.

The person undergoes a test by sitting in front of a computer and uses chin rest to stabilize his or her head just like a normal eye test. After being calibrated to the optical scanner, the person answers a series of true/false questions.

According to Converus, the test takes 30 minutes duration giving instantaneous results with 86% accuracy. The company says that EyeDetect is another tool to detect deceit and not meant to replace polygraphs completely.



"A number of law enforcement agencies in the United States, including the Salt Lake City Police Department, are already using EyeDetect to screen potential hires. But a nationwide law prevents non-governmental companies from running the same test on their candidates", reports a website.

Converus says that EyeDetect is being used by banks, casinos, and financial institutions in addition to law enforcement groups.

"It's an ideal tool because it takes 30 minutes or less, it's non-intrusive, it can be administered anywhere in any language, and it can be utilized to verify very quickly whether or not someone has ties to terrorism or they have a past of committing serious crimes," says Coverus CEO, Todd Mickelson.

(Image Courtesy: Converus)