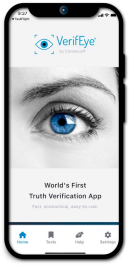
Comparison of EyeDetect, EyeDetect+ and VerifEye







Comparison	EyeDetect	EyeDetect+	VerifEye
Year invented/ introduced	2014	2021	2023
How it works	A laptop equipped with specialized software and infrared camera records involuntary changes in eye movements and pupil diameter to measure cognitive effort.	A laptop equipped with specialized software, infrared camera, and polygraph sensors, records polygraph channels and ocular-motor measures. Examiner may conduct pre- and post-test interviews.	An Android or iPhone with the VerifEye app records involuntary changes in eye movements and pupil diameter to measure cognitive effort.
Test duration	Tests take 15 to 30 minutes, depending on the test type.	Tests take 20 to 45 minutes, depending on the test type.	Tests take 10 minutes.
Time to get test results	Test results and report in minutes.	Test results and report in minutes.	Test results and report in minutes.
Accuracy	Screening test: 86-88%[2, 3] Diagnostic (investigative): 87%[4]	Screening test: 88-91%[5] Diagnostic (investigative): 87-89%[4]	About 84%-89
Equipment cost	$5,600 MSRP (U.S.)	$8,595 MSRP (U.S.) (includes an EyeDetect Station v4, Physio Tracker v2 and activity seat pad)	$0 (The VerifEye app is a free download from the Google play or App Store.)
Equipment required	EyeDetect Station	EyeDetect Station and physio tracker	Cell phone with free VerifEye app
Invasiveness of test	No sensors attached. (noninvasive)	Some sensors attached to the fingers or wrist. No blood pressure cuff. (minimally invasive)	No sensors attached. (noninvasive)
Objectivity	Automated testing process that maximizes reliability and objectivity.	Automated testing process that maximizes reliability and objectivity.	Automated testing process that maximizes reliability and objectivity.
Training	Standard training (administer tests and interpret results) takes about 6 hours; advanced training is 2 additional days.	Standard training takes 8 hours; advanced training is 2 additional days.	Examinee watches a tutorial and takes a self-administered test on a mobile phone. If the test is proctored, training takes less than 3 hours.
Why it matters	First credibility assessment innovation in nearly 100 years. Fast, accurate, affordable, noninvasive, scalable, unbiased.	The world's first automated polygraph that's impartial, accurate, less intrusive, and captures more information than a traditional polygraph.	The world's first mobile truth verification test. Never before has a truth-verification test been available to the masses, worldwide.

2. Source: Laboratory and Field Research on the Ocular-motor Deception Test – European Polygraph Journal, Vol. 10, 2017, No. 4 (38)
3. Source: Ocular-Motor Methods for Detecting Deception in a Multiple-Issue Screening Protocol – A. Potts Doctoral Dissertation, August 2020 | 4. Source: EyeDetect Hybrid Directed-lie Comparison Test (HDLC) Development and Validation Study, May 2021 | 5. EyeDetect Hybrid Multi-Issue Comparison Test (HMCT) Development and Validation, May 2021.