



# iCognitive

## Executive Summary

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## Our Company



Founded in 2012, Brainwave Science offers its ground-breaking iCognitive Technology with applications in National Security, Counterterrorism, Border Security, Human and Drug Trafficking and Immigration Control to law enforcement agencies worldwide.

With the synergies of our competent technical team, scientists and experts from law enforcement Brainwave Science developed and modernized its iCognitive technology to fulfill a fundamental need to prevent disasters, deliver truth and justice.

Entrepreneurial savvy visionaries, scientists and technologists founded Brainwave Science. The company started with a core belief to bring a solution, which can eliminate human suffering and torture in the process of interrogation. There lies a huge gap of innovation in Law enforcement, counter terrorism and counter intelligence agencies particularly in the field of investigation/ interrogation. iCognitive addresses this fundamental lack.

At Brainwave Science, we constantly explore to bring right talent on board our mission to provide best possible tools for torture free investigation and interrogation. We thrive on our strong relations and ties with our customers. Once we deploy our product we give best in industry expert and technical support to our customers.

## iCognitive Technology

*iCognitive scientifically identifies whether information is stored in the brain by precisely measuring brainwaves.*

- iCognitive scientifically identifies whether information is stored in the brain by precisely measuring brainwaves.
- Unlike a conventional polygraph, which detects an emotional stress response on the theory that people are more stressed when lying, iCognitive only detects whether the information exists within the brain or not.
- The system is fully automated using a laptop and specialized wireless headset, and has an accuracy rate of over 99%.

## iCognitive Applications

- *Law Enforcement*  
The irreplaceable iCognitive technology puts criminals behind bars while exonerating innocents.
- *National Security*  
Protects the interests of a nation through the power of brainwaves
- *Counterterrorism*  
iCognitive Technology can detect trained terrorists, bomb makers, members of a terrorist cell, etc., even before they strike.
- *Border Security*  
Protecting the nation's borders—land, air, and sea—from the illegal entry of people, weapons, drugs, and contraband is vital to our homeland security, as well as economic prosperity of any country and iCognitive helps secure and manage borders.
- *Immigration Control*  
Screen and detect concealed information of suspected individuals, strengthen the critical checkpoints of immigration.
- *Human and Drug Trafficking*  
Trafficking criminals cannot hide when their brainwaves are willing to confess.

## How it Works

The entire iCognitive system is under computer control, including the presentation of the stimuli, recording of electrical brain activity, and the algorithmic data analysis which determines whether or not information is present.

Below are the steps depicting the readiness and user friendliness of our application:

### SUBJECT PREPARATION



The first step is to place the wireless headset, which uses sensors (electrodes) to collect brain responses from the scalp and muscle movements.

### LAUNCH APPLICATION



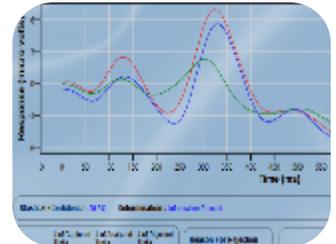
Then a series of crime or event-specific stimuli in the form of words, phrases, or pictures are flashed on a computer screen.

### COLLECT BRAINWAVES



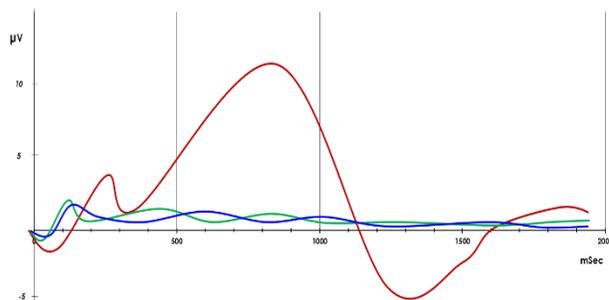
Neurological responses in the form of EEG signals are emitted for each trial.

### ANALYZE RESULTS



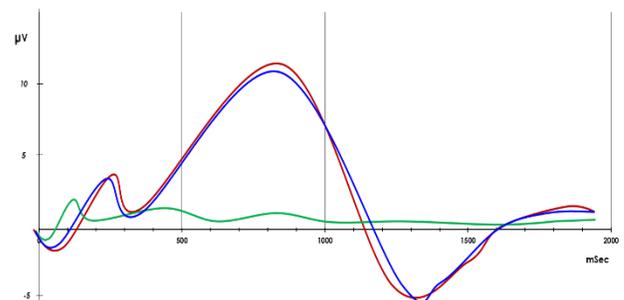
The proprietary software analyzes EEG signals to determine whether the information under test is present or absent.

### Information Absent



Statistical Confidence : 99.9%

### Information Present



Statistical Confidence : 99.9%

## iCognitive Credibility and Advantages

This latest technological crime-solving tool, which provides an accurate, reliable and systematic process to conduct criminal investigations without invasive procedures. It can be used efficiently and affordably to:



Identify criminals quickly and scientifically

Exonerate the innocent and prevent lawsuits from false accusations

Gather intelligence information and uncover espionage and terrorists' plots

Detect accomplices and members of gangs and criminal organizations

Objective, does not depend on the subjective judgment of the person conducting the test

Effective in Counter Terrorism and Counter Intelligence activities and cases

No known countermeasures

Shows no false positives or false negatives

Can be applied in all situations where evidence can be collected

Accuracy over 99.9% and reliable

P300 Science behind it has been published and peer-reviewed in relevant scientific journals

Applicable in over 85 to 90% civil and criminal cases

Exonerates innocents quickly and efficiently

Measures information from processing brain activity

Portable, User friendly, Easy to operate

Minimum maintenance

Highly customizable

## iCognitive Summary

*iCognitive provides a previously unavailable level of objectivity and accuracy in determining the truth.*

- A proven and scientific computer-based technology for determining whether relevant information is stored in the brain by measuring brain waves.
- Based on the P300 brain response: a 'Yes-Present' happens when the brain views words, phrases or images it recognizes.
- Proven over 99% accurate in security testing, criminal investigations and national security.
- Quickly and scientifically identify perpetrators of terrorist and criminal acts.
- Exonerate the innocent and prevent false convictions and ensuing lawsuits.
- Detect members of terrorist and criminal organizations.
- Gather intelligence information and uncover espionage and terrorist plots.
- Conduct specific screening tests in national security, intelligence, and law enforcement agencies.

*iCognitive provides a previously unavailable level of objectivity and accuracy in determining the truth.*

*The time has come for iCognitive.*