



# MILITARY, SECURITY & LAW ENFORCEMENT SUITE

HENK KRAAIJENHOF, YUVAL ODED AND PEDRO TEIXEIRA



## Limited Edition Software Suite

The Military, Security & Law Enforcement Suite is designed by Henk Kraaijenhof and Yuval Oded, with the help of the Biofeedback Federation of Europe's senior software developer and therapist Pedro Teixeira. The suite is based on the respective peak performance training experiences of Mr. Kraaijenhof's work with elite athletes, military and law enforcement personnel in Holland, and Mr. Oded's work with elite defense units of the French Ministry of Defense and the Israeli Defense Force (IDF).

Individuals with military, security and law enforcement jobs undergo specific, intense and emotional forms of stress, to which the software's context takes into account. The suite is designed specifically for training optimal performance and self-regulation under pressure.

The software components of the suite can be split into two primary & separate components, of which clinicians may be interested in one or both parts:



## Psychophysiological Assessment & Training component

- Psychophysiological Assessment that records the reactions of a subject over several stress-inducing tasks and accompanying recoveries (lasts 17 minutes).
- Excel report presents the relevant statistics recorded during the psychophysiological assessment in an easy-to-read format, with notes included for interpretation.
- Training screens divided into "Quick Start" groupings for re-education of complimentary sensor modalities, based results of the assessment. Advanced self-regulation training screen that test subject's self-regulation skills as they are exposed to disturbing images and sounds



## Reaction Time Assessment & Training component

- Reaction Time Assessment and Training screens record the reaction speed and discrimination ability of the individual for several different reaction target practice protocols.
- Excel report displays the reaction time results in an easy-to-read manner.

## Education & Training Opportunities

The BFE currently offers two different types of online lessons/sessions designed to meet your diverse education and training needs. All sessions provide continuing education (CE) credits to psychologists.

- **1-Hour Intro to the Military, Security & Law Enforcement Suite Webinar:** Jon Bale, BFE Research Manager, reviews the software and documents included in the "Military, Security & Law Enforcement Suite" from assessment to training. The webinar covers introduction to the authors, goals of the suite, all of the required equipment and the two separate software components - Psychophysiological Assessment & Training component and Reaction Time Assessment & Training component.
- **3-Hour Military, Security & Law Enforcement Grand Rounds:** attend live 60-minute online sessions scheduled monthly for three consecutive months and take the opportunity to meet and speak with Henk Kraaijenhof and/or Yuval Oded regarding their expert opinion, guidance and the latest research on the use of biofeedback with the military, security and law enforcement. Clinicians using biofeedback and neurofeedback with military, security and law enforcement personnel can benefit from attending these sessions as attendees share information on the use of this exciting technology, discuss how to teach performance under pressure, and potentially review case presentations. Each hour focuses on the most important subjects of interest to team members, guests and participants.



**For more Information or Questions: To purchase the suite and/or education & training, go to the BFE Shop:**

**redmilitarysecurity@gmail.com**

**www.bfe.org/buy**



# MILITARY, SECURITY & LAW ENFORCEMENT SUITE

HENK KRAAIJENHOF, YUVAL ODED AND PEDRO TEIXEIRA



## BioGraph Infiniti Software

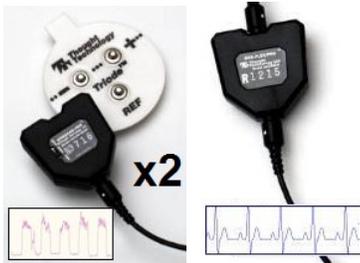
BioGraph Infiniti Software is the core of all current and future Thought Technology Biofeedback and Psychophysiology products. It provides a multimedia rich graphical experience, while capturing and analyzing raw data. It includes all the features and functions required to run our specialized application Suites and offers the ability to customize your own screens and suites using the Developer Tool . **BioGraph Infiniti version 5.1.4** is designed to provide full compatibility with the latest Windows 7 operating system.



## Choose the Encoder to Meet Your Needs

You need one encoder to run the software:

- **ProComp Infiniti encoder** is the eight-channel, multi-modality encoder that has all the power and flexibility you need for real-time, computerized biofeedback and data acquisition in any clinical setting. We only ever use two sensors with this suite.



## Select Sensor Measurements for Collecting Data

This list consists of the all sensors necessary for running the suite. They are split according to which software component uses them. We are aware that not all users will use both components.

### For using the Psychophysiological Assessment & Training component

- **MyoScan-Pro sensors (x2)** are pre-amplified surface electromyography sensors for measuring muscular tension.
- **EKG sensor (x1)** is a pre-amplified electrocardiograph sensor, for directly measuring heart electrical activity, which is derived into heart rate and heart rate variability data.
- **Respiration sensors (x1)** are durable, latex girth belt for monitoring respiration rate, waveform and amplitude sensor.
- **Skin Conductance (x1)** sensor measures the conductance across the skin, and is normally connected to the fingers.
- **Optional: Temperature sensor (x1)** measures skin surface temperature between 10°C – 45°C (50°F - 115°F ). This sensor is monitored in the assessment, but not trained.



### For using the Reaction Time Assessment & Training component

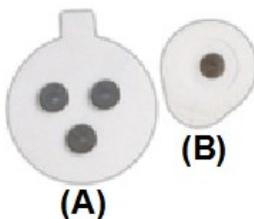
- **TT-AV Sync (x1)**, with accessories, is a highly accurate time-synchronizing device for making measurements of audio and video events produced by a PC. The AV Sync is used in evoked and slow cortical potential protocols, and reaction time testing to provide the ability to make measurements with millisecond accuracy.
- **Push buttons (x2)** are tools for reaction time marking.



## Disposable Electrodes for EKG & MyoScan-Pro sensors

Disposable electrodes are required for using the MyoScan-Pro and EKG sensors. The MyoScan-Pro sensors have two potential electrode placement types, so there are also two types of electrodes for purchase. The **triode** disposable electrode (A) is used for narrow placement and the **unigel** (B) for wide electrode placement.

The use of the EKG sensor requires the purchase of **unigel** electrodes (B).



## Additional Computer Monitor Setup

The Reaction time component of the software requires a 2-monitor setup for proper functioning. The Psychophysiological component of the software only uses a 1-monitor setup.