Strong Armor Robotics Security System

Armor Technologies

excellence through innovation

Strong Armor Robotics Technologies

excellence through innovation

Welcome to Strong Armor Robotics Trading Company, your premier destination for groundbreaking AI-based solutions that are revolutionizing the realms of security and healthcare. Situated in the vibrant city of Dubai, our company is at the forefront of technological innovation, harnessing the power of advanced Robotics and artificial intelligence to create safer, healthier, and more efficient environments.

At Strong Armor, we believe in pushing the boundaries of possibility. Our team of experts is dedicated to developing and deploying cutting-edge solutions that address the evolving challenges faced by industries worldwide. Whether it's enhancing security measures in high-risk areas or revolutionizing healthcare delivery, we are committed to delivering tangible results that make a meaningful impact.

MISSION & VALUES

- Mission:
- Dedicated to deliver efficient, effective and quality IT services with integrity and accountability using proven innovative methods that stand out in the market
- Encourage innovation to meet challenges
- Foster an environment of teamwork between us and the client
- To be the first choice for innovative technology solutions
- Values:
- Our values determine who and what we stand for :
- Commitment and dedication
- Quality, integrity and accountability
- Teamwork and proper communication

Our Core Competence

We aimed to derive a valuation of the artificial intelligence market in core development in:-

- Deep Learning
- Machine Learning

- NLP Platforms
- Predictive APIs

- Image Recognition
- Facial & Speech Recognition

Our Market For AI Technology

HomeLand Security :: Agriculture :: Education :: Finance :: Manufacturing :: Medical :: Oil/ Gas :: Airports :: Shipping ports :: Media/ Content :: Automotive :: Retail :: Tourism

Airport Security

Vibra Facial Recognition Technology

Airport security refers to the techniques and methods used in an attempt to protect passengers, staff, aircraft, and airport property from accidental or malicious harm, crime, or other threats..

Our aviation security is a combination of human and material resources to safeguard civil aviation against unlawful interference. Unlawful interference could be acts of terrorism, sabotage, threat to life and property, communication of false threats, bombings, etc.

Facial recognition technology (FRT) has emerged as an attractive solution to address many contemporary needs for identification and the verification of identity claims. It brings together the promise of other biometric systems, which attempt to tie identity to individually distinctive features of the body, and the more familiar functionality of visual surveillance systems.
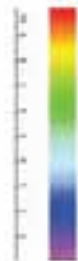
Vibra Image

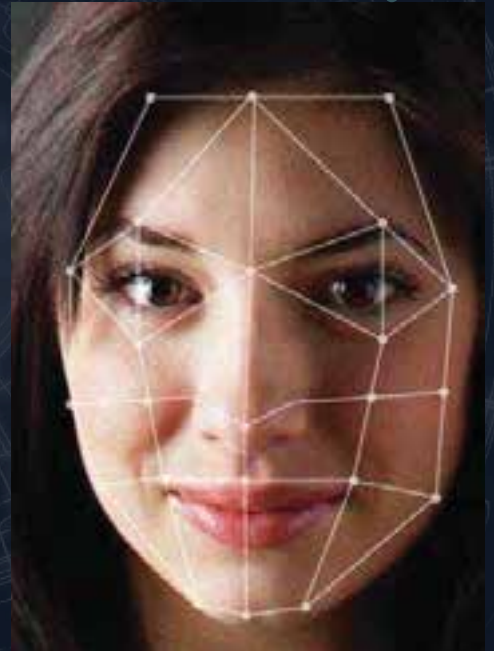VibraImage – the best solution for behavior detection

Amplitude Vibraimage   Frequency Vibraimage   Frequency scale
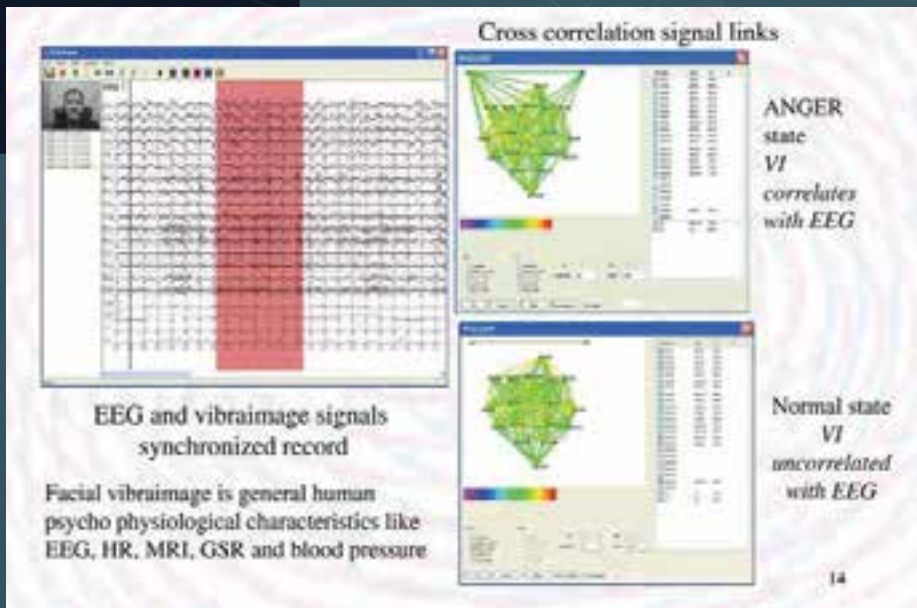
Motion detects Emotion!
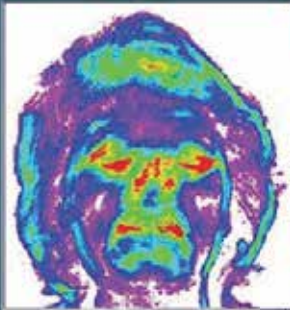
Facial Vibra Image And EEG

Cross correlation signal links

ANGER state *VI* correlates with *EEG*

Normal state *VI* uncorrelated with *EEG*

EEG and vibraimage signals synchronized record

Facial vibraimage is general human psycho physiological characteristics like EEG, HR, MRI, GSR and blood pressure
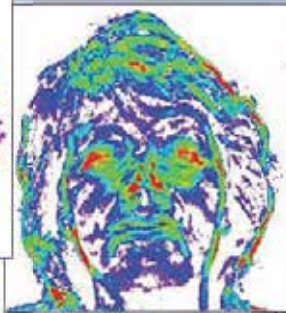
14

Multiple Vibraimage

vibraimages with different accumulation time

T= 10 sec
(normal physiology)

T= 1 sec
(normal reaction)

T= 0,1 sec (fast reaction)

VibraImages system in real time carries out the simultaneous analysis for more than 50 various psychophysiological parameters of a person. These parameters can be devided into 4 groups:
A-amplitude, F-frequency ,S-symmetrical, P-mathematical statistics.

VibraImage — biometric behavior detection system

- System capable of determining the basic emotional state of a person by analyzing facial micro movements.
- Basic profiling of a person's emotional state is done in less than 10 seconds, with a 90% accuracy rate.
- Aggression, stress, tension, personal compatibility, and suspicion levels are calculated by the different parameters and shown.
- Application in: Security, medicine, eHealth, neuroscience, psychology, sports, fitness, public relations, politics, life science.

Airport security systems

Our flexible Artificial Intelligence facial recognition platform utilizes the state-of-the-art Deep Learning technology, which allows us to create AI solutions for specific airport automation, prediction or analysis of threats from arriving and departing passengers and other faculty or staff members.

Implementation

VibraImage
Pulkovo airport, St.Petersburg, Russia

Testing mode from 2007, operating mode from December 2008

VibraImage
Domodedovo airport, Moscow, Russia

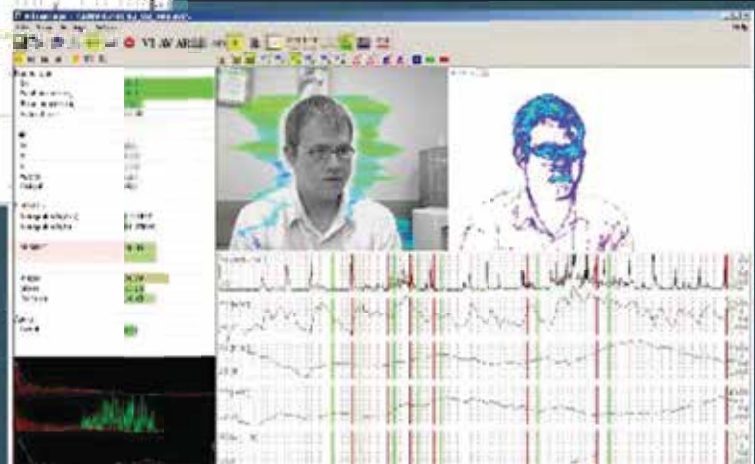Testing mode from 2007, operating mode from January 2008

Lie Detection and Interview

Law enforcement and police applications.

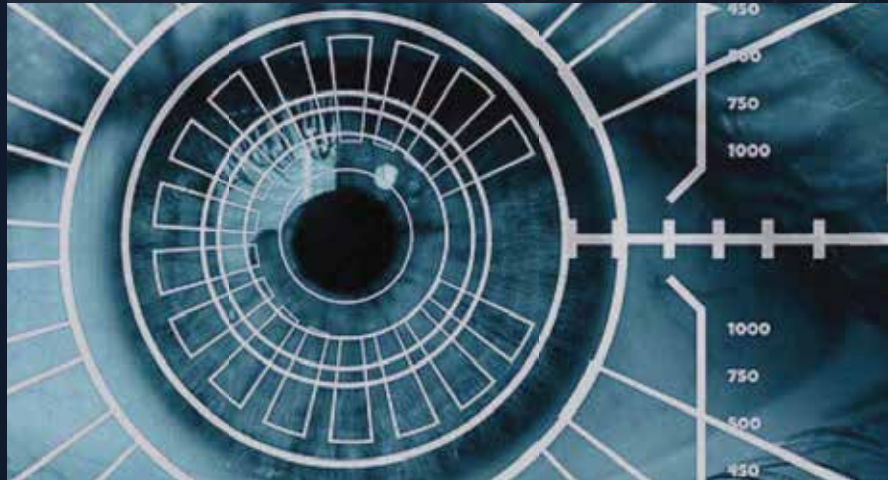Every graph reflects the parameters assessed by VibraImage.

Employment agency, interview, profiling, psychological testing

VibraImage Features

- Contactless and remote emotion and lie detection.
- Real time analysis.
- Video recorded information analysis

- Standard video devices and computers requested
- Open or hidden object control
- Friendly user interface.

- Detects a suspect before the crime happens.
- Contactless.
- Remote scanning.
- Live results within 10 seconds.
- Precise and accurate results.
- Can be added to existing surveillance systems.
- Used in interviews, self assessment, and health services.

Strong Armor Robotics

Contact Us:

Office No-1001, Al Warsan 3rd
Near Warsan Nursery, Dubai, UAE

+971 55 2139 999
+971 54 5122 700

connect@armorae.com

www.armorae.com

excellence through innovation

Strong Armor Robotics

THANK YOU

www.armorae.com