LEAP

Law Enforcement Analytics Platform

Applying cutting-edge AI technology to accelerate forensic workflows

T3K.AI

T3K delivers AI-enabled solutions to screen, analyze and detect contents in digital data. LEAP (Law Enforcement Analytics Platform) is an automated tool for quick analysis of data extracted from mobile devices and other digital media sources.

Advantages

+ **Fast Actionable Intel –** Automatic reporting and aggregated data allows investigators to make decisions faster and progress their investigation without waiting for manual analysis and reporting processes

+ **Standardized Approach –** Analysis profiles can be configured and then set to run automatically

+ **Minimal Training –** LEAP is designed to be simple to use and leverages a web-based GUI allowing access on multiple device and platform types without the need to install a client on each one

+ **Fast Data Screening –** LEAP's powerful media analysis engine is capable of rapidly screening thousands of images, videos and documents and uses machine learning technology to identify relevant content

Specific Threat Analysis

T3K's sophisticated machine learning technology provides automated and semi-automated analytical support to specific use-cases. These AI modules can also be customized and trained to support your particular law enforcement operations and need for fast forensic analysis.

Verifying identity and country of origin and allowing threat screening of travelers

Providing automated media classification to detect illicit contents

Answering first questions for investigators in minutes thanks to automated reporting

Screening can easily be done by technical laymen due to seamless integration into existing workflows

Gives customers a chance to prioritize cases and devices by quickly scanning extracted data from seized devices

Used for immigration and organized crime, CSAM (child sexual abuse material), TVEC (terrorist and violent extremist content), anti-fraud, and many more

LEAP Setup

LEAP can be combined with the following mobile extraction toolkits and disk image formats

- MSAB Extended XML
- Cellebrite UFDR
- Grayshift Graykey .ZIP
- Oxygen Forensics XML
- MobilEdit XML & UFDR
- Forensic Image (.E01)
- Raw Disk Image (.dd, .001 etc)

LEAP is ideally suited as a networked solution, utilizing a centralized server setup of varying scales. However, all software developed by T3K is fully containerized, allowing for easy adoptions into the most common cloud environments.

LEAP features

LEAP employs powerful deep learning architecture utilizing object recognition developed and trained by our team of experts. Automated analysis of picture, video and document files allows the detection of over 20 specific object classes, including:
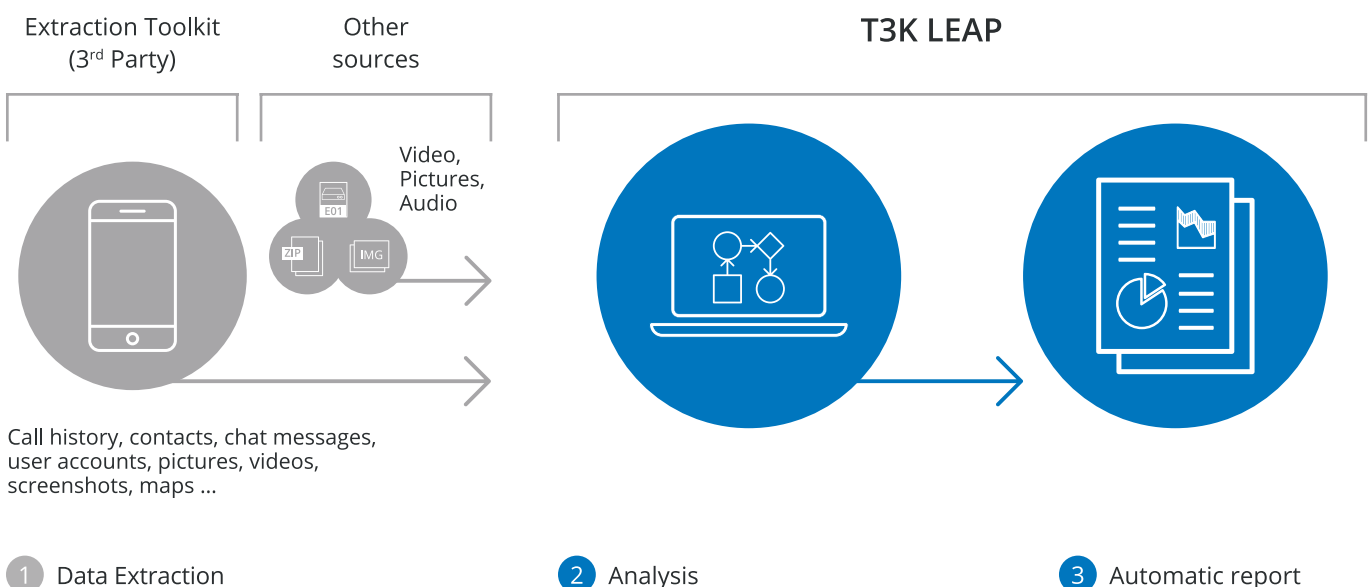
- Child sexual abuse material (CSAM)
- Terrorist and violent extremist content (TVEC)
- Weapons
- → Additional classes can be trained upon customer request.

- Car license plates
- Screenshots, documents and maps
- ID documents

+ Sophisticated media classification and content detection accelerate investigations which involve large amounts of seized mobile devices. Additionally, you can use file hashes and PhotoDNA to detect known illegal content. LEAP utilizes Project VIC's CSAM database.

+ LEAP can conduct multi-lingual OCR on recognized text entities, with Latin, Arabic and Cyrillic alphabets, to detect search terms from uploaded watchlists.

+ LEAP provides face recognition from uploaded reference images.

+ Audio Analysis allows keyword spotting within audio and video content using watchlists.

+ LEAP employs advanced algorithms for detecting key elements of visual 2D patterns to recognize logos, art, bank notes, tattoos, tapestry, etc. from uploaded reference images.

+ LEAP gives an overview of the communication patterns of the user including frequent contacts, call and messaging data, decoded location data.

LEAP Workflow

Extraction Toolkit (3rd Party)	Other sources	T3K LEAP

Video, Pictures, Audio

Call history, contacts, chat messages, user accounts, pictures, videos, screenshots, maps ...

1 Data Extraction   2 Analysis   3 Automatic report

About the company

T3K.AI is a global partner of law enforcement agencies, developing tailor-made solutions in cooperation with agencies as well as corporations. Our unique **AI Object Detection Classifiers** are trained in close collaboration with law enforcement, allowing us to provide industry-leading precision. T3K.AI brings together the worlds of **Digital Forensics** and **Safety Tech**.

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