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Analytics System

About Us

Who we are

LANTEC company has been engaged in integrating computer systems and software into unified information solutions for over 23 years, it also develops and creates its own analytical systems.

Our mission

We provide Ukrainian companies and organizations with advanced IT solutions and analytical centers to automate all areas of social activity.

Our strategy

Implementation of the unified analytics system ULA to enhance the quality of control and management in any sphere of people's lives, regardless of the scale of the area.

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History of Creation

Big cities have always been a driving force in the development of technology, particularly in the field of citizen safety. Modern cities face many challenges - to combine security and comfort, the social protection of city residents with advanced infrastructure, and innovative technologies.

The ULA System (Unified Lantec Analytics) is designed to create conditions where the residents of the cities of the region will feel safe thanks to the combination of comprehensive and strategic approaches, global technological achievements, and the active involvement of regional and municipal authorities and the public in the creation of intelligent video surveillance systems.

At the initiative of the Donetsk Region police, starting from January 2016, the efforts of a united and small team laid the first bricks of the intellectual security concept - the Unified Analytical Service Center (UASC), powered by the unified analytics system ULA from LANTEC company.

Місто Маріуполь

In 2016, a highly effective security program based on ULA VIDEO was implemented in the city of Mariupol, in collaboration with the local police. However, due to combat operations and the occupation of the city by the Russian army, the program had to be suspended.

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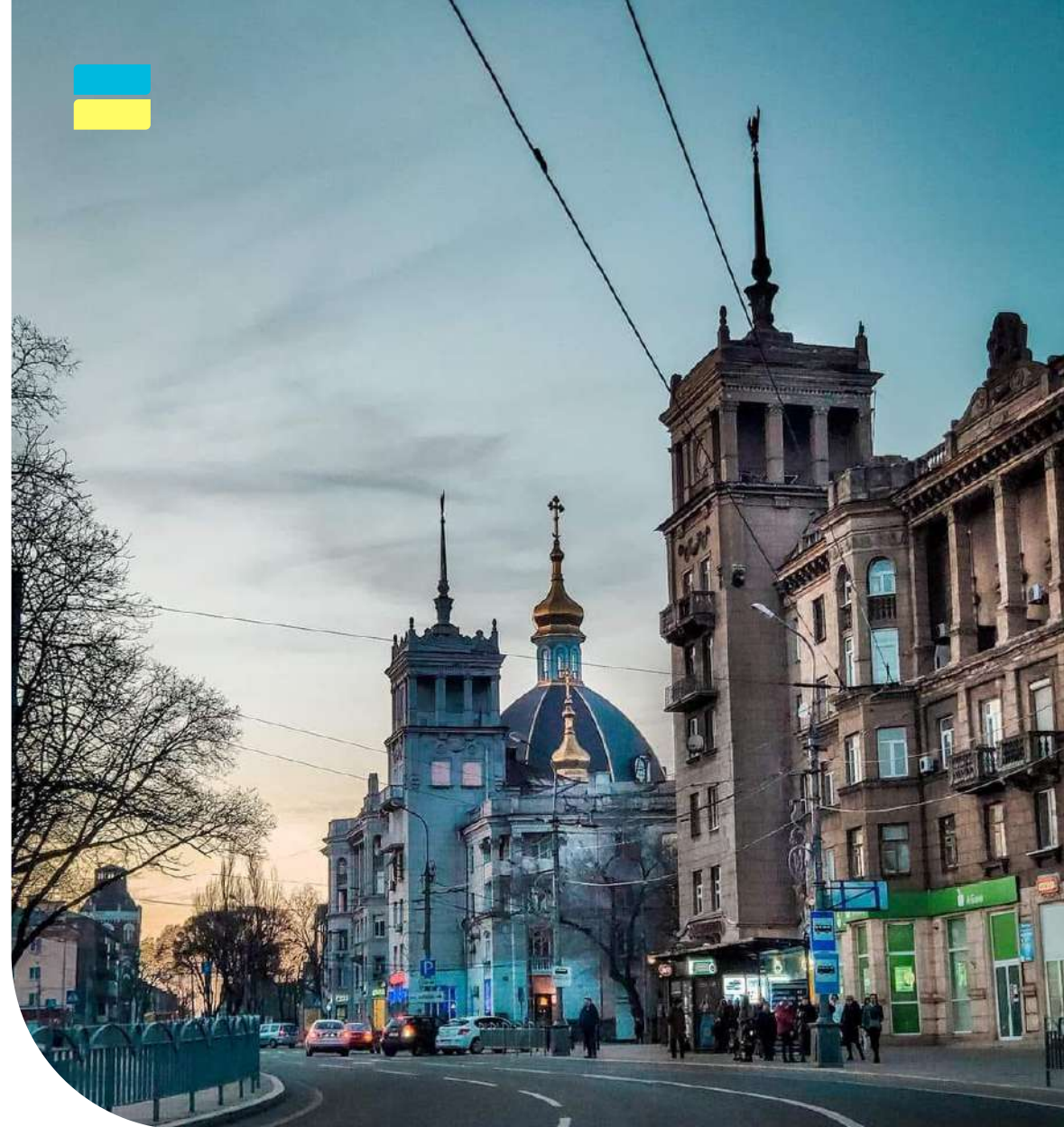
What is ULA?

The analytics system ULA is based on the use of modern technologies that allow for **the quick and efficient collection, assessment, and analysis of information** gathered from various sources such as surveillance cameras, news portals, social networks, and media resources, as well as files and mobile devices.

This technology has the ability to automatically analyze video streams from thousands of different cameras, which can be located at distances of tens or hundreds of kilometers from each other and in remote areas.

ULA is built on machine vision algorithms, which enable it to detect and identify people's faces, vehicles, objects, entities, events, and processes, as well as many other things within the field of view of surveillance cameras, and automatically transform the gathered information into tables, dashboards, graphs, and any other forms of reports with succinctly presented statistical data.

The algorithms and neural networks integrated into this software can be further trained for the recognition of specific objects and actions not included in the basic functionality, allowing for the adaptation of the existing product to the customer's individual requirements, with the possibility of its use in various industry-specific solutions.

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The architecture of ULA   (a multi-component system)
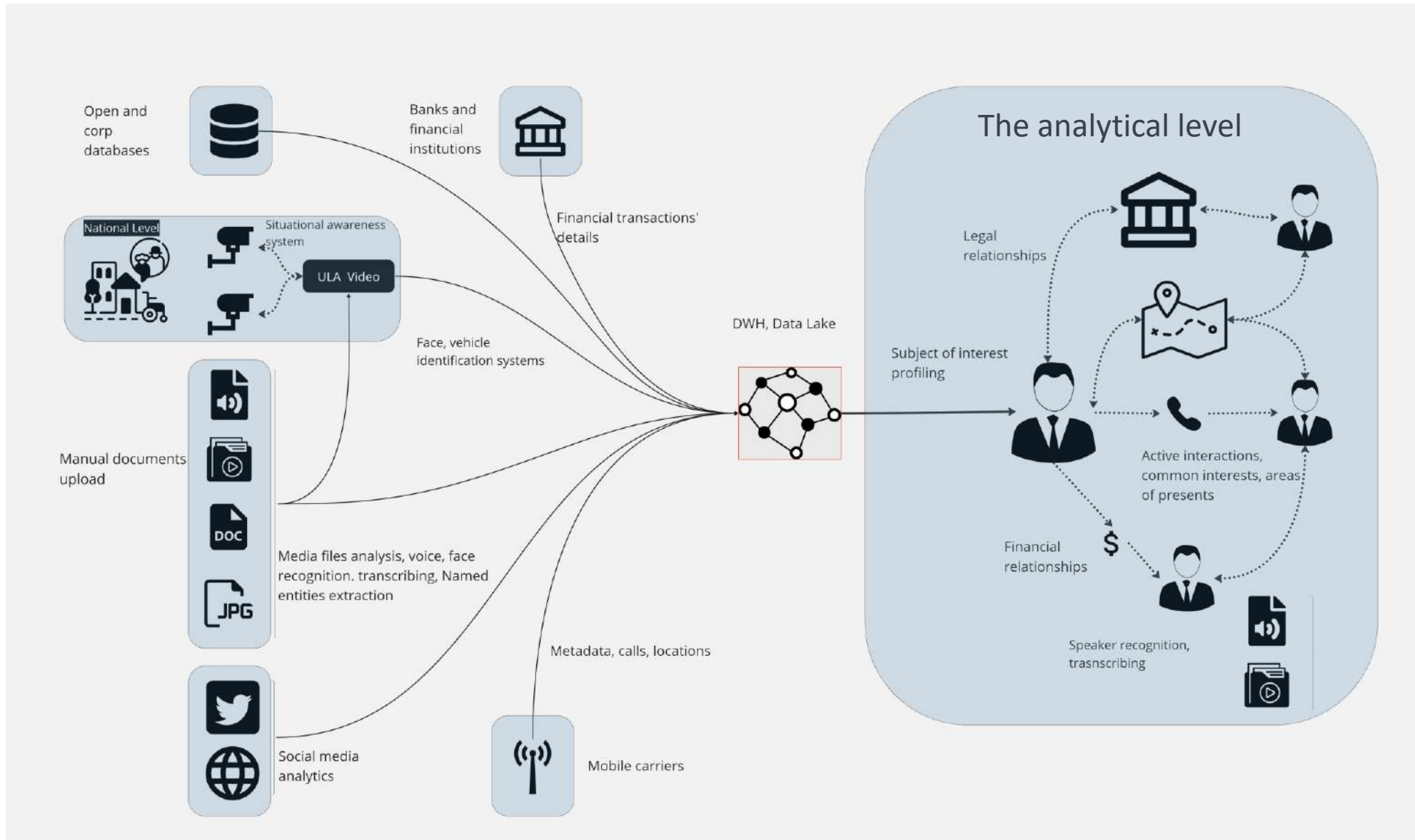
Building graphs (dashboards)

ULA software collects data after processing and analysis and visualizes them.
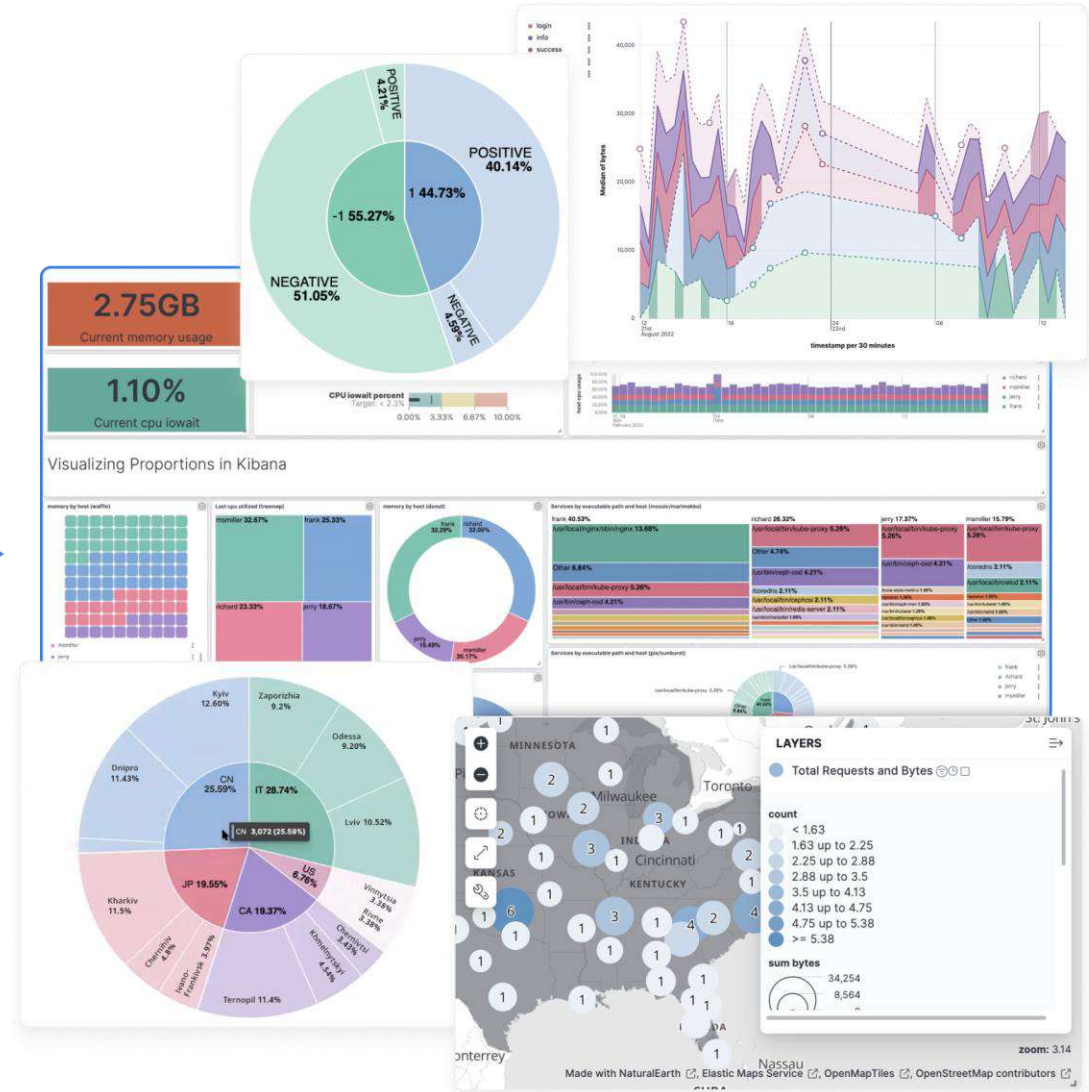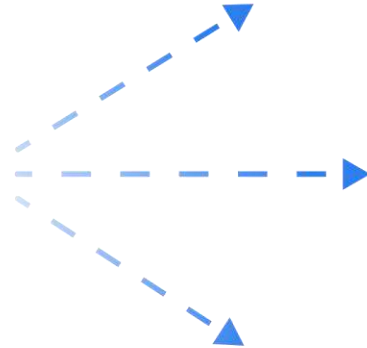

Real-time data visualization, including customizable dashboards (widgets).

Presenting data in various formats, including graphs, tables, charts, and maps.

Flexible settings options that adapt to different types of analytics, depending on business needs.

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What is ULA used for?

This software helps to solve problems and challenges that arise during operational and investigative activities:

The need to involve a large number of participants to accomplish multiple tasks, including repetitive ones.

The need to create access to specific information for a restricted list of participants in large teams.

The impossibility or high complexity of continuously tracking events related to objects of interest.

The collection and processing of a large amount of information, which requires technical skills and knowledge.

The need to store a lot of evidence in digital formats.

The complexity of forming, submitting, and promptly updating of consolidated information (profile) related to the object of interest.

Differentiation of tasks into the local, regional, and national levels.

Excessively long time for research, analysis, and drawing conclusions for certain types of inspections.

The presence of a human factor in the processing of vast amounts of information, leading to deliberate or accidental errors.

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Functional possibilities of analysis of social networks and Internet resources
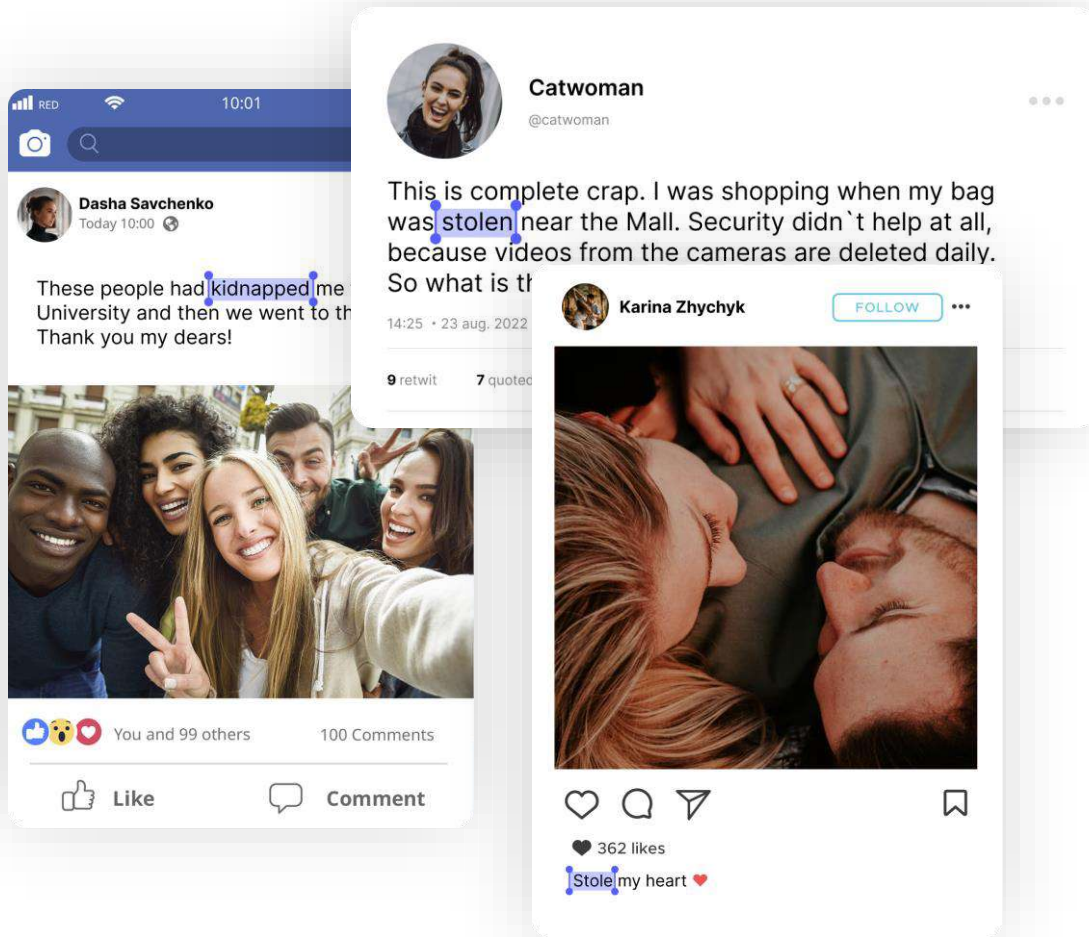
Analysis of social and web portals

Analysis of social and web portals allows monitoring of information trends, emotional coloring of news, interests, and activities of users.

In social networks, information about events often appears earlier than in official sources. Timely responding to incidents will help to prevent the negative consequences of emergencies or anticipate them.

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Functional capabilities of audio data analysis

Transcription of media files

Automatic or manual language identification to ensure a high level of accuracy in audio recognition and audio-to-text transcription with the inclusion of timestamp playback.
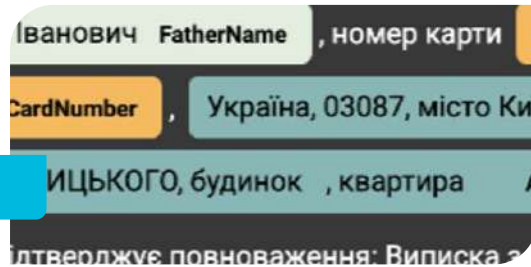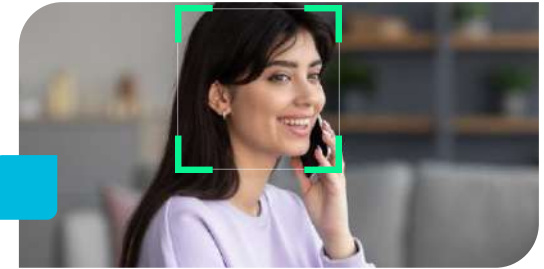

Entity Recognition

Recognition and "focusing" of users' attention on the facts of the found information entities allows to increase and speed up the multifactorial analysis of texts and other input information.

Voice recognition

Voice signature recognition systems allow for automatic analysis of a vast amount of audio material to find and/or identify specific individuals without involving a large number of experts.
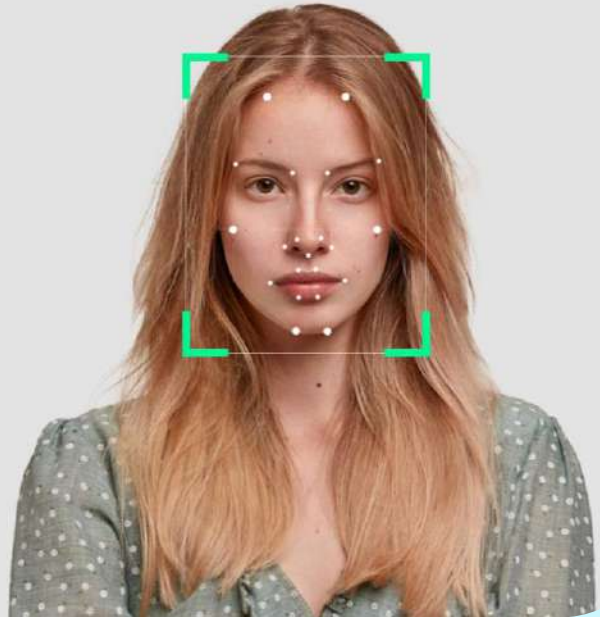

Linguistic analysis

Linguistic analysis of texts allows for providing an in-depth examination of texts and identifying the emotional, sociological, and linguistic characteristics of the speaker and their sentences.

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Functional capabilities of video analytics of the "people" category

Face recognition

Detection and recognition of human faces in video, including gender and age group, emotion, facial details, etc.

Behaviour recognition

Detection of suspicious behavior in video, such as object theft, abduction of children or adults, suspicious movements, suspicious actions, etc., which may indicate potential threats or illegal activities.

Analysis of passenger traffic

Detection and analysis of passenger movement in video in crowded places such as airports, train stations, shopping centers, etc., to analyze crowd size, identify popular routes, and distribution of passengers, create targeted advertisements, improve marketing strategies, and boost sales.

Access control

Facial recognition systems can be used for access control to buildings, offices, warehouses, and other premises. Instead of keys, cards, or passwords, these systems can utilize facial recognition, enhancing security and convenience for users.

Analysis of emotions

Detection of mood, facial expressions, gestures, and other signs of an emotional state, including alcohol or drug intoxication. It helps to prevent conflict situations between people, early detection of possible incidents, and also provides an understanding of the general emotional state and mood of people.

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Functional capabilities of video analytics of the "vehicles" category

Route Tracking

Video analytics can analyze the trajectories of objects in video images to obtain statistical information such as average speed, license plates, traffic density, stops, turns, time intervals between objects, etc.

Incident detection

Detection of accidents, falls, sudden changes in the movement of objects in video, violations of traffic rules, providing automatic notifications, or interacting with security or emergency services.

Cars (recognition and analysis)

Detection and analysis of vehicle characteristics in video, such as make, model, colors, license plates, type of vehicle, and various aspects of movement, such as speed, direction, etc.

Recognition of road signs

Detection and recognition of road signs in video, such as speed limit signs, prohibition signs, traffic direction signs, etc., as well as detection of their absence or damaged state.


Video traffic analysis

Real-time traffic tracking to optimize traffic management, and to improve road safety and overall infrastructure efficiency.

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Functional capabilities of video analytics of the "objects" category

Detection of absence

Detecting the absence of objects or activity in the video in specified areas or during a certain period of time, which can be useful for detecting the loss of objects, illegal activity, loss of signal, etc.
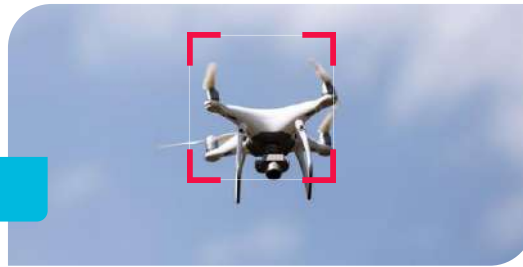
Observation of objects

Tracking certain objects or categories of objects in video to detect dangerous or unwanted objects, forgotten or stolen items, to detect static objects or certain activities such as falls, collisions, and to track prohibited items.

Object recognition

Recognition of objects such as protective equipment (masks, shoes, helmets, etc.), weapons, cars, bicycles, license plates, vehicles, animals, and various objects.

Classification of objects

Analytics can classify objects in video images based on their type, such as cars, trucks, and motorcycles, or based on other attributes such as color, size, shape, etc.
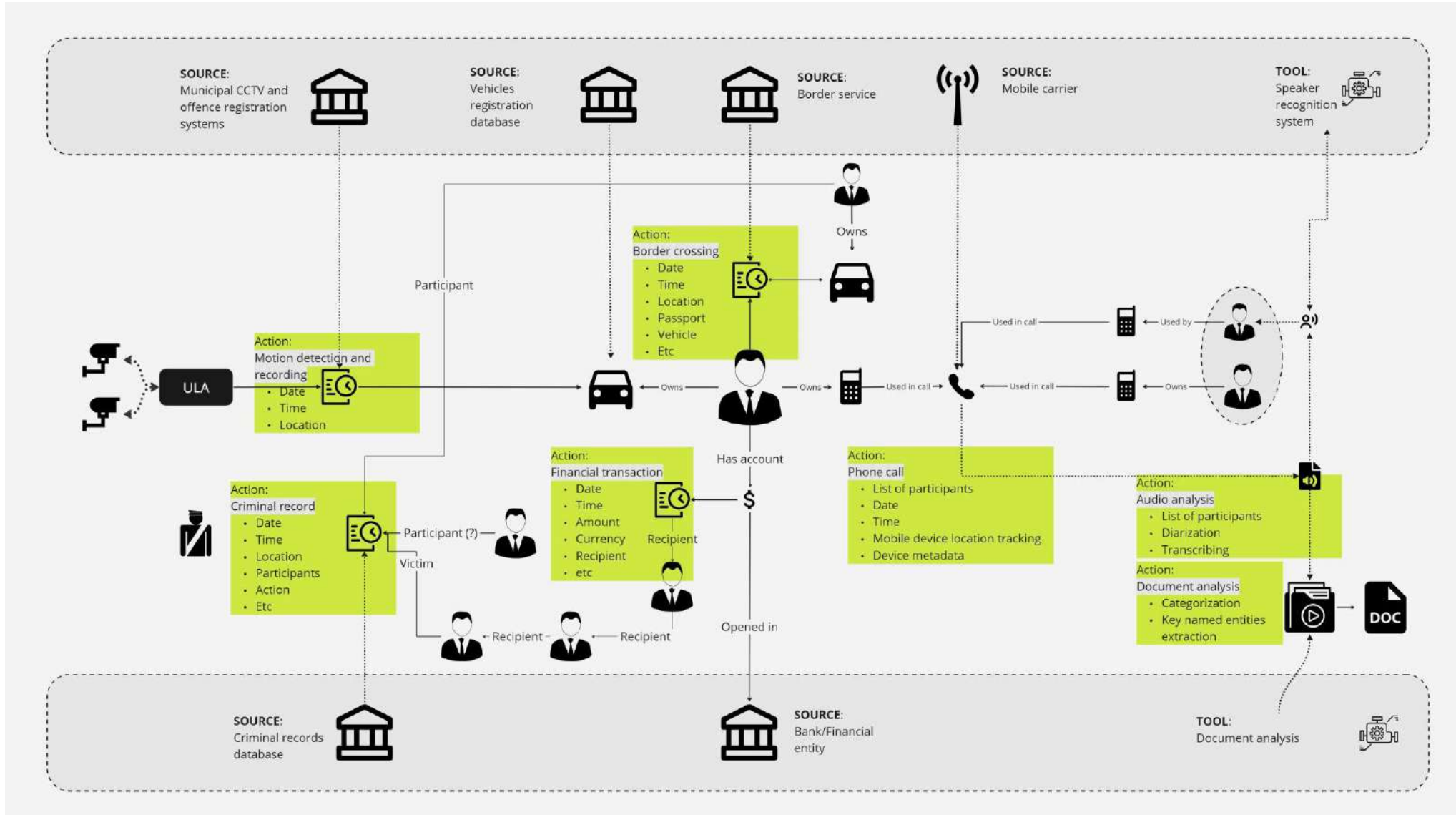

Search for objects

Video analytics can search for objects in the video taking into account the given parameters, such as color, shape, size, and other attributes, which can be useful, for example, to find lost objects or analyze past events, determine movement routes, track the duration of stay in certain areas, etc.

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Advanced multivariate analytics

Benefits of ULA

Possibility of further education:

The ULA system can be trained to identify specific objects, including the detection and classification of military equipment, and identification of various infrastructure objects, it is possible to include dictionaries of terms in its training.

High accuracy of analytics:

Improved recognition of languages, conversations, objects, vehicles or people based on repeated occurrences in the frame on any camera connected to ULA.

Integration with other systems:

ULA has the ability to be integrated with any customer systems to automate business processes or exchange information in server-server mode, which significantly speeds up data processing.

Fast data processing:

ULA has a high speed of processing offline and online media files and documents thanks to the use of modern technologies for processing large volumes of data. Data processing in automatic, manual, and mixed modes with parallelization of processes and reduction of human-caused errors.

Flexibility and scalability:

ULA has a distributed architecture that allows you to customize the system to the specific needs of the customer and scale it as needed.

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Ready for fruitful cooperation!

The analytics system ULA Media is the best solution for any industry and business, ranging from international corporations to small enterprises and government institutions.

Linkedin   Facebook   Youtube

We have a solution for your business!

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For further information and a thorough discussion of specific solutions, please contact us via phone or email. We are ready to answer any questions you may have and provide you with the necessary information that can help you make a balanced decision.

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