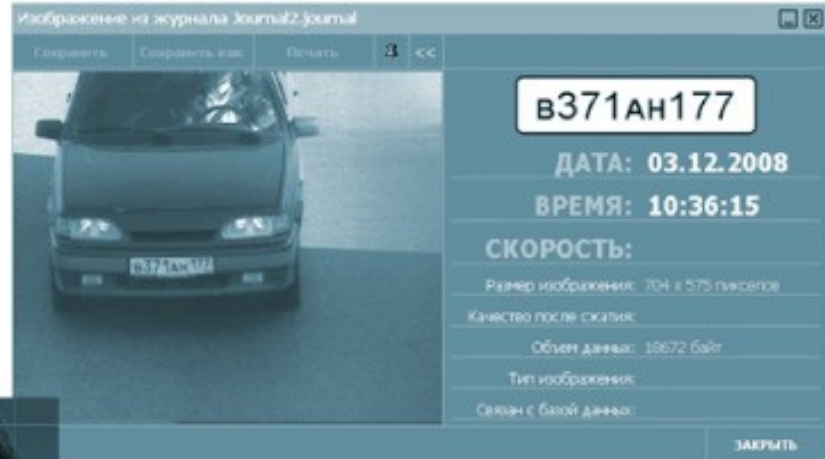




URSA™ - Knows the Difference



*Tradition Group took advantage of its extensive R&D and manufacturing experience to deliver a **unified trainable technology for recognition**, a technical vision system with analytical capabilities, which uniquely allows us to make sure that the right technology is applied to the right application in the right place at the right time.*

Technical Vision platform



Unified Recognition, Surveillance Analytical System «URSA»

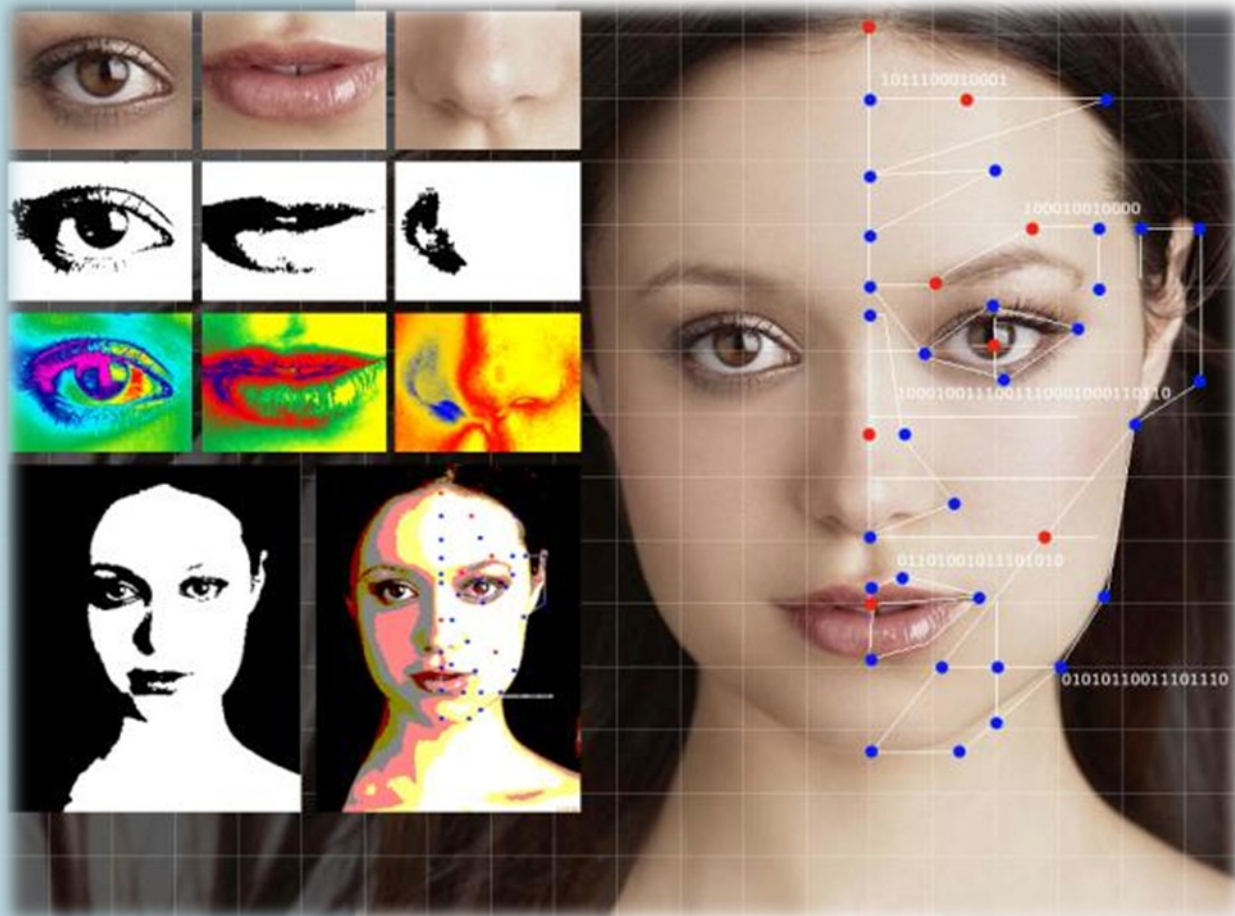
- an AI technical vision system
- provides authentic and instant recognition of random type & state objects
- sorts & classifies objects within a huge data stream
- output the way U -Want it to be
- generates database of the results
- task and condition-trainable functionality

URSA™ can be trained for use in the following areas:



- **Traffic Management** – to control, search, & track vehicles and traffic management at highways, motorways or control posts;
- Similarly, it can be used for railways, airways, sea and river transportation;
- **Premises Security** – manage, control housing complexes, buildings, manufacturing offices, or any other accommodation;
- **Anti-terrorism** – Locate People, left-over objects in public places, like the subway, railway stations, airports and any other public place;
- Operators of Internet search services for multimedia streams processing;
- **Intellectual Soldier** – security forces can utilize URSA in several aspects.
- **Unmanned spies** – intellectual recognition algorithms provide extensive possibilities.

U.R.S.A.



U.R.S.A.

Радужная оболочка
№ 345658585

Список лекарств в базе
№30494 БА 65
Время приема лекарств
№47885
3 приема в сутки

390 см.
Основной объект опеки.

Расстояние до
основного объекта
390 см.

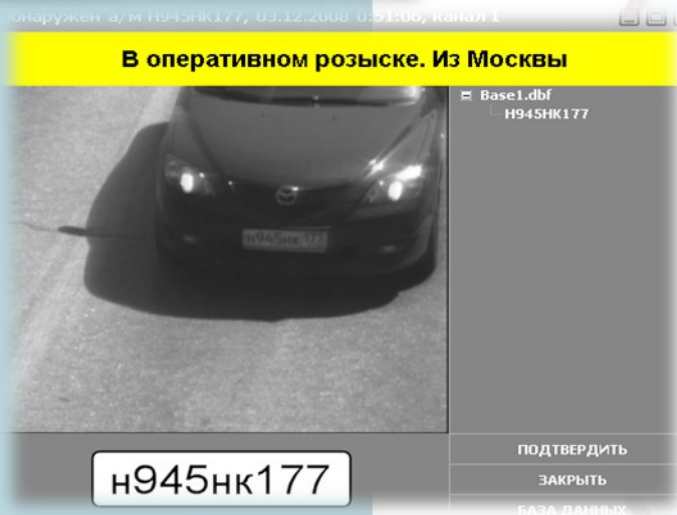


Technology Behind the Scene

- Today most of the image recognition software applies object detection algorithms in descending order (running higher level processing steps first). Such strategy has been popular during the past decade, and yet an exclusive use of this “top-down” detection technique involves high computing complexity, thus making such recognition systems unsuitable for solving recognition tasks in **real time** for a mass customer without access to supercomputing resources.
- **Our solution brings you a combination of descending and ascending detection techniques together with an adaptive managing semantic classifier.**



- In addition, the image processing local methods themselves have the possibility to “communicate” with each other and make joint decisions regarding the type of object to be recognized in case neither of the independent detection techniques can provide the accuracy specified.
- Such method allows increasing the range of recognizable objects, as well as the overall recognition accuracy.
- The system can be trained for various applications, and its basic knowledge base and competency system is being built.



- The system has been successfully tested and introduced in the automatic license plate recognition project for Moscow road police
- Tested accuracy 95 -97 %



CONTACT US

7 Litovskiy blvd., Moscow, Russia 117593
Cultural & Business Center «Hanoi», 3rd floor
Tel. +7 (495) 427-11-01
Fax. +7 (495) 425-00-00

