



SecurOS UVSS

Under Vehicle Surveillance System



Under Vehicle Surveillance System

SecurOS UVSS is a hardware-software based system of remote under-vehicle surveillance. The system creates a database of high-resolution undercarriage images and recognizes vehicle license plates.



Primary Applications



Border Management
and Customs Control



Manufacturing
Sites



Municipal authorities
& Financial Institutions



Sea Ports and
Airports



Warehouse
Terminals



Cultural &
Sports Facilities

Key Targets

- > detecting of modifications, foreign and/or undeclared items
- > rapid and secure inspection process
- > minimizes the impact of the human factor on the inspection results
- > providing personnel safety during the inspection through remote video monitoring



Key Features

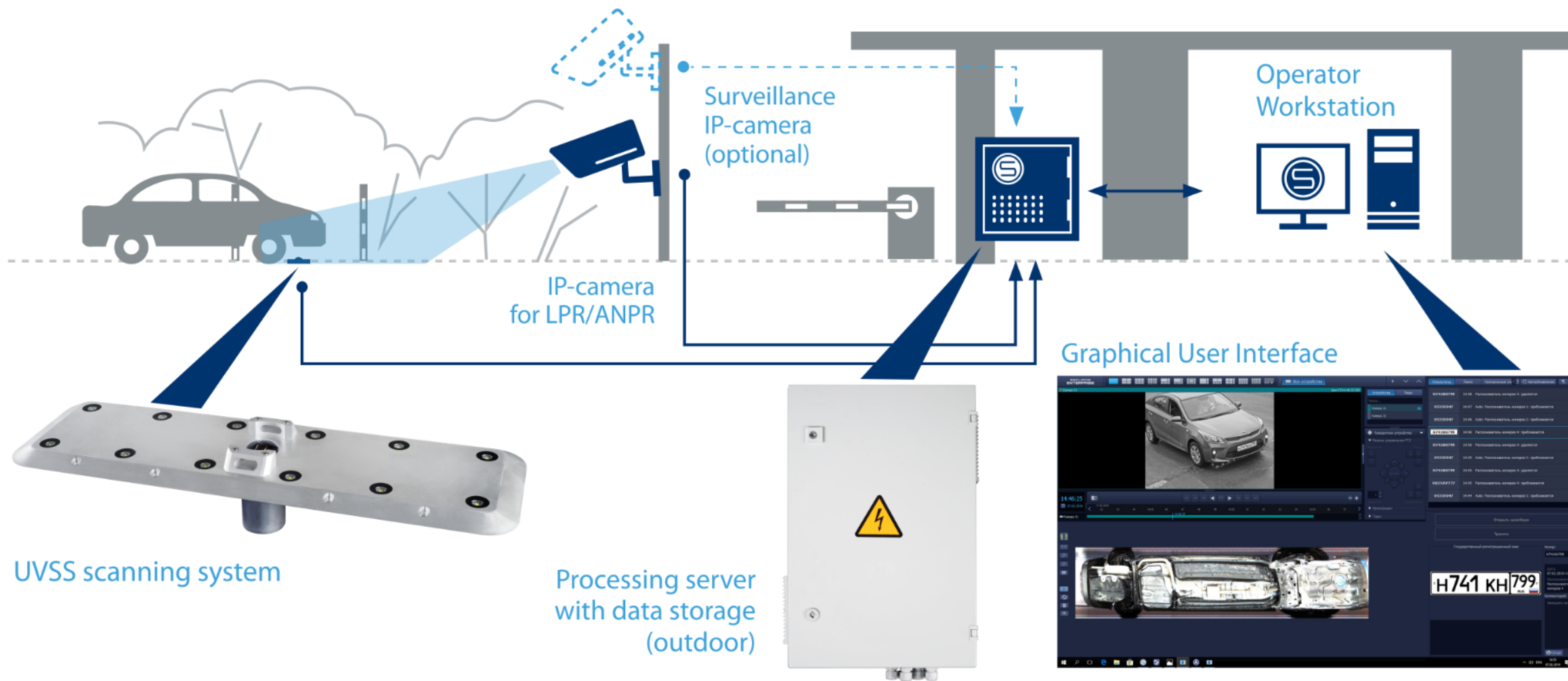
- > automatically creates undercarriage images
- > recognizes license plate of a vehicle (includes different Watch Lists)
- > watch live and archive video from the scanning IP-camera
- > creates the database of inspected cars
- > simultaneously shows “live” or archive video from all system’s cameras: scanning IP-camera, LPR/ANPR IP-camera, surveillance cameras
- > enables interoperability with security systems, Access Control, traffic lights, barriers, electronic visual display boards, as well as 3rd-party systems



Automatically highlighting differences in current undercarriage image and reference image



SecurOS UVSS – System Design



SecurOS UVSS - Advantages

1. Compact UVSS platform does not require time-consuming installation and easy to maintain
2. Use of video analytics detectors – no need of physical devices to detect vehicle existence
3. Automatic comparison of the undercarriage image with the reference image
4. Maximum vehicle speed is up to 15 km/h
5. Interoperability with a surveillance camera (-s), Access Control System, barriers, traffic lights, motion control devices, electronic visual display board



Specifications

Scanning camera of UVSS-platform	Area scan machine vision camera
Pixel density	9 pixels/cm
Maximum vehicles length	not limited
Ground clearance	more than 150 mm
Maximum vehicles speed	15 km/h
Lighting system	LED, White-light
Image processing time	up to 3 s
Automatic License Plate Recognition	more than 70 countries supported
Класс защиты	IP68
Operating temperature	-40°C ... +60°C
Power	24 V DC / 50 W
Dimensions	970 mm x 310 mm x 196 mm (ДxШxВ)
Dimension of camera protective body	d. 86 mm, h. 146 mm
UVSS-platform weight	12 kg
Mounting Configuration	semi-hidden installation (road drilling only for camera protective body)



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