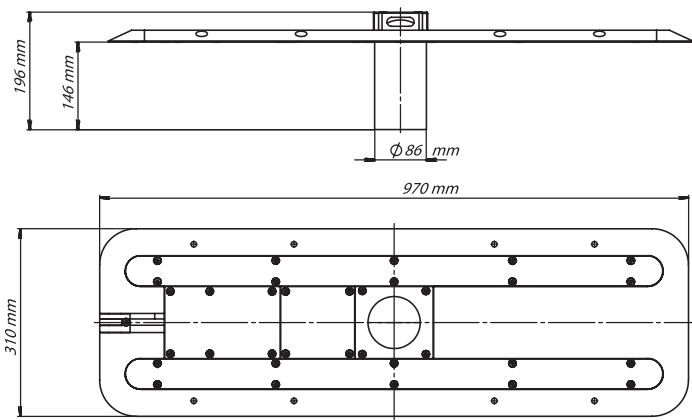


Under Vehicle Surveillance System

SecurOS™ UVSS



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

SecurOS™ UVSS provides high-quality images of the entire width of a vehicle's undercarriages. Moreover it is a cost-effective and convenient solution for visual inspection of all types of vehicles: from passenger vehicles to trucks and trailers. It is a perfect solution for government, military, corporate, and transportation facilities — wherever particular vehicle monitoring is required.

Advantages

- Compact UVSS platform does not require time-consuming installation and is easy to maintain
- Use of video analytics detectors – no need of physical devices to detect vehicle presence
- Automatic comparison of the undercarriage image with the reference image
- Maximum vehicle speed is up to 10 mph (15 km/h)
- Interoperability with a surveillance camera(s), Access Control System, barriers, traffic lights, motion control devices, electronic visual display boards, and more

Solution structure

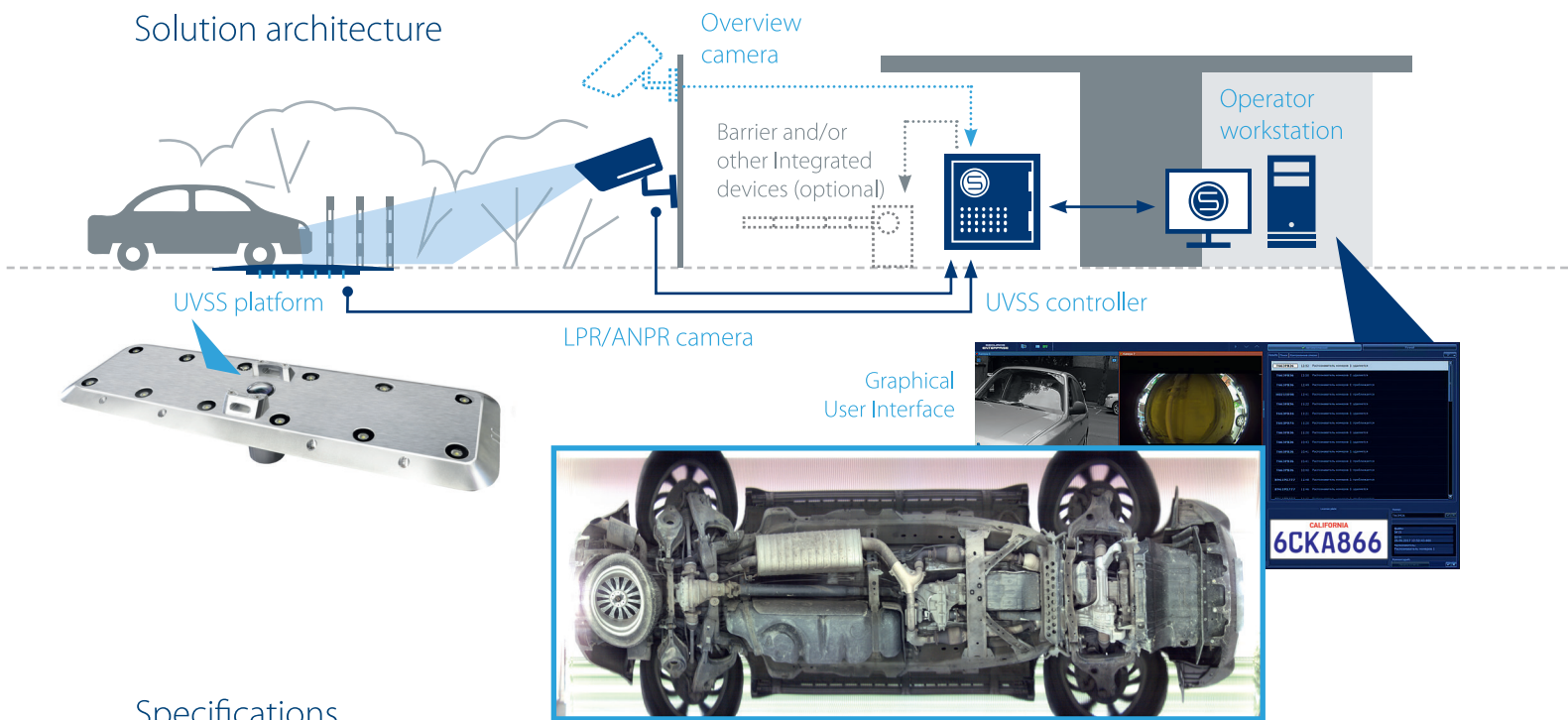
Basic hardware

- **UVSS platform.** IP68 scanning system with Full HD IP camera and fish-eye lens, mounted on the roadway
- **UVSS controller.** Processing server with data storage and integrated video management platform — SecurOS
- **LPR/ANPR IP-camera**
- **Operator Workstation**

Software

- **SecurOS VMS** provides video surveillance, video recording, and hardware-software system management
- **SecurOS UVSS module** provides stitched undercarriage images for visual inspection and automatically detects foreign and/or undeclared objects
- **SecurOS Auto** provides license plate recognition, advanced search and watchlist capabilities, etc.
- **Embedded SecurOS APIs** offer interoperability with 3rd-party devices and systems

Solution architecture



Specifications

Type of scanning camera of UVSS-platform	area scan machine vision camera
Pixel density	9 pixels/cm
Ground clearance	more than 6 inches (150 mm)
Maximum vehicle speed	10 mph (15 km/h)
Built-in illumination	white-light LED
Image processing time	up to 3 sec
Automatic License Plate Recognition	more than 60 countries supported
Degree of protection	water resistant
Operating temperature	-40°C ... +60°C
Power	24 V DC / 50 W
Dimensions	38.2 in x 12.2 in x 7.7 in (LWD) / 970 mm x 310 mm x 196 mm (LWD)
Dimensions of camera protective body	d. 3.4 in, h. 5.7 in (d. 86 mm, h. 146 mm)
UVSS-platform weight	26.5 lbs (12 kg)
Mounting Configuration	semi-hidden installation (road drilling only for camera protective body)
Max distance between UVSS platform and Controller	131 ft (40 m)

Applications



Border
and customs
control



Industrial
facilities



Airports and sea
ports



Cultural & sports
facilities



Warehouse
terminals



Construction
sites



High-security
facilities



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