



ADVANCED CENTRIC SYSTEMS B.V

PERIMETER SECURITY ELECTRO-OPTICAL
SURVEILLANCE SYSTEM

Product brochure



THE PROBLEM

Perimeter security is required in every locality or installation where access is restricted, prohibited and/or strictly controlled.

Perimeter security systems normally consist of physical access-denying barriers, like fences, walls and gates; surveillance systems that provide the security personnel with a real-time picture of the perimeter and the areas surrounding the installation, and active early-warning systems that generate alerts of potential threats.

The information provided by the surveillance systems is used to assemble the situational awareness picture that forms the basis for the installation security activity. This status picture enables the security personnel to monitor the installation perimeter and surrounding areas as well as the internal area, respond to any incident and manage it in accordance with the relevant operating procedures.

In sensitive and high-value installations, the surveillance setup may be augmented by active early-warning sensors of various types that generate alerts of potential threats approaching the perimeter (motion sensors, seismic sensors, tripwire sensors, magnetic and thermal sensors, etc.).

One of the surveillance sensor categories used most extensively in perimeter security systems is the electro-optical surveillance payload category.

THE SOLUTION

ACS presents PSEOSS – Perimeter Security Electro-Optical Surveillance System.

PSEOSS is a day/night/all-weather perimeter security surveillance system based on a stabilized VESPA electro-optical payload mounted on a pole and transmitting its visual input to a central Command, Control & Communication system.

The basic configuration of PSEOSS consists of the pole-mounted VESPA payload, a C3 system, a digital map of the installation and the vicinity, video motion detection and a digital video recording system for post-operation analysis and debriefing.

PSEOSS provides 360° visual coverage and can detect motion and recognize human targets at ranges of several kilometers. It may be used to track specific targets or monitor specific areas/sectors to support the security activity.

PSEOSS may be integrated with optional technological resources such as an early warning Radar system and automatic video tracking to form a comprehensive site security system.

Additionally, the system may be operated and monitored remotely through microwave or fiber-optic communication.

KEY FEATURES & MAJOR ADVANTAGES

Key Features & Major Advantages

- Day/night/all-weather perimeter security surveillance system based on a stabilized VESPA payload mounted on a pole
- Visual input is transmitted to a central C3 system
- Additional resources include a digital map, video motion detection & a digital video recording system
- Open architecture – customized to client's requirements
- Typical applications:
 - **Installation security**
 - **Border security**
- Specifications
 - Coverage: 360°
 - Pole height: 10 to 55 meters
 - Detection range for human target: several kilometers
 - Detection range for motion (daytime): several kilometers
- Options
 - Automatic video tracking
 - Early warning Radar system
 - Remote operation & monitoring
 - Laser pointer