

Always in the Crosshairs

Border and facility surveillance



www.photocase.de / Stefan Bossow



We make it visible.



For mobile and stationary deployment on land

The multi-sensor platform features a CCD camera for daytime use, while a thermal imager captures the smallest objects and movement during the day and at night – even at long range. An integrated laser rangefinder permits very precise determination of the distance to detected objects and their position/coordinates.



For mobile and stationary deployment at sea

Monitoring and protecting near-shore ship traffic, as well as the blue border, is becoming increasingly vital around the globe.

Long-range, day and night threat detection

For all intents and purposes, there are no more borders in Europe. The borders to neighbouring countries in the European Union are more porous than ever. Europeans, as well as citizens of other countries, enjoy a high level of freedom.

Although the majority is law-abiding, there are still those who abuse this freedom for various illegal activities: alcohol, cigarette and drug smuggling, for example, is on the rise. Smuggling people is a lucrative business. No papers, no money and unable to communicate in a foreign country, the dreams of countless illegal immigrants are quickly shattered. Many countries are also threatened by small groups of terrorists.

Securing borders is a must. The walls and fences of the past are being increasingly replaced by state-of-the-art sensor technology. However, this technology is not limited to border operations; it can also be deployed domestically, to protect critical infrastructure for example.

Carl Zeiss Optronics offers sophisticated optronic observation systems to help secure borders and facilities. They enable surveillance of large areas and specific objects during the day, at night and at long range. Thanks to their modular design, they can be flexibly deployed on stationary equipment such as watchtowers, in vehicles and on coast guard ships, thus inhibiting illegal activities and ensuring the freedom of the masses.

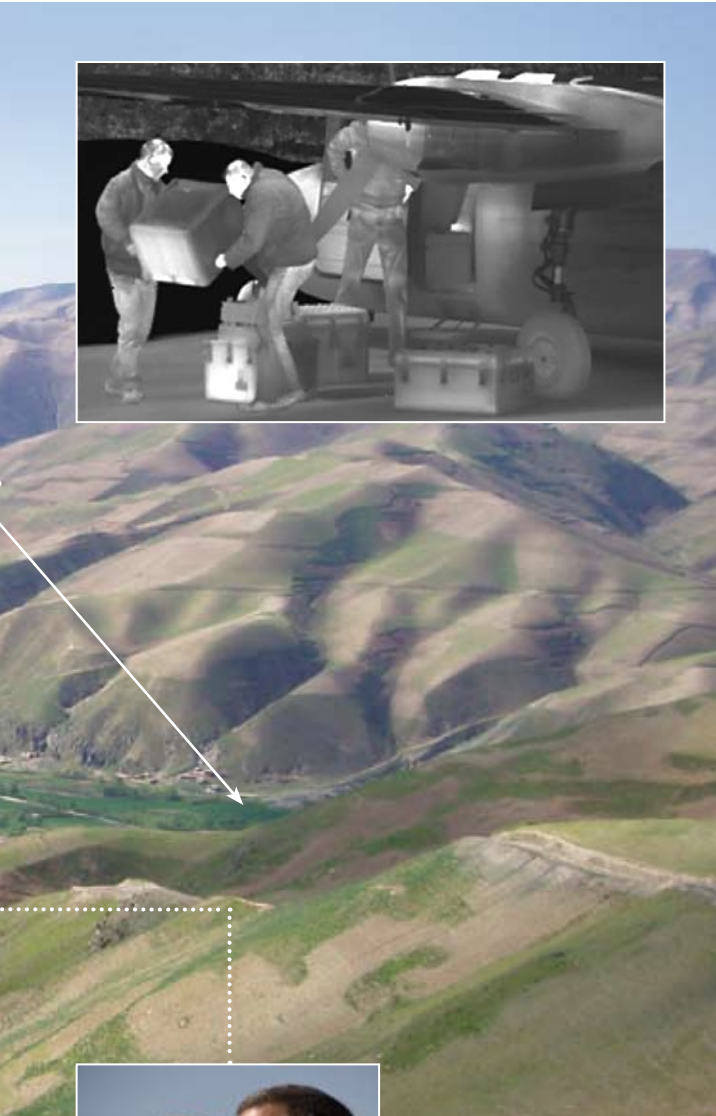


Flexibly deployed: monitor airports, harbours and power plants.



For stationary facilities and mobile units

The multi-sensor platform of the observation systems from Carl Zeiss Optronics permits long-range border surveillance. The systems detect all motion, track moving objects and provide early warning. They help observers and mission commanders complete their missions.



Protecting blue and green borders around the world

Observation systems enable the seamless surveillance of borders during the day, at night and in poor weather. The optimal combination of sensors provides a good overview at all times. They enable central surveillance with minimal staffing. Data from other sensors, such as analysis and localisation sensors for radio and sound waves, or from radar instruments, can be merged with the optronic information to deliver a clear operational picture.

“The Eye” sees everything all the time: multi-sensor platform of the optronic observation system from Carl Zeiss Optronics featuring thermal imager, daylight camera and laser rangefinder.



Observation systems for any task – anytime, anywhere

Carl Zeiss Optronics provides a wide range of optronic observation systems for border and facility surveillance. They are specially designed to meet the needs of a specific mission or location.

Carl Zeiss Optronics also delivers handheld systems for day and night observation when a large stationary or mobile surveillance system is not required.

Stationary systems

- On a tripod*
- On a mast*

Mobile systems on land

- On vehicles
- Handheld systems

Mobile systems at sea

- Coast guard ships
- Handheld systems

* Including carrying case with integrated monitor, power pack, and operating, control and display unit

Main areas of application

- Border surveillance: prevention of smuggling, illegal immigration and infiltration of terrorists
- Facility protection: wide-area safeguarding of power plants, industrial facilities, oil rigs, airports and harbours
- Mobile command centre: operational picture for hostage crises, drug and customs operations, disasters and environmental protection