

# Keep Your Eye on the Target

## Observation and targeting platform for vehicles



We make it visible.



### **Battlefield communications**

Vehicle commanders and gunners must be able to quickly assess the situation at any time. The observation and weapons optics system, a stabilised panorama viewing and targeting system, ensures that the crew never loses track of their surroundings.



### **Flexible configuration**

The observation and targeting platform can be equipped with up to three sensors such as a thermal imager, a daylight zoom camera and an eyesafe laser rangefinder, thus making it easier to acquire target coordinates.

## **During the day and at night: effectively engage enemy targets**

Soldiers of the 21<sup>st</sup> century must be able to fight in all weather, at all times. They can only effectively engage their enemies when they receive precise information far enough in advance.

Detailed observation of terrain, knowledge of enemy movements and absolute situational awareness are mandatory for mission success. Carl Zeiss Optronics has now developed the observation and targeting platform to provide troops with as much recon information as possible, thus considerably increasing their chance of success. This multi-sensor platform can be integrated or retrofitted into wheeled and tracked vehicles and into light armoured vehicles. It is also ideal for sea-based platforms such as ships and offshore facilities.

The optical and infrared sensors allow troops to recognize, scout and engage approaching forces – even at long range. The sensors are also stabilised, meaning they can be used in unfavourable terrain at full speed without limiting reconnaissance capabilities. The observation and targeting platform can be easily integrated into existing fire control systems. This system is also available in modernisation programs for existing armoured vehicles.



*Built to withstand extremes, the observation and targeting platform from Carl Zeiss Optronics enables success wherever it is used. This platform is at home in arctic or desert conditions.*



### Networked communications

The integrated graphic overlay provides troops in the vehicles with the information they require. Networked optronics, deliver the details needed to engage a target – target coordinates and vehicle-specific data.



### **Faster acquisition – more effective engagement**

The observation and targeting platform permits the merger of image and target data, thus helping soldiers quickly obtain an operational picture, acquire targets sooner and successfully complete their mission. The observation and targeting platform is a real time-saver – time that can save the life of a soldier when push comes to shove.

*PUMA turret with the observation and targeting platform (right of the gun barrel) from Carl Zeiss Optronics.*



## Platform

Azimuth range	n x 360°
Elevation range	-15° to +60°
Stabilisation error	≤ 40 μrad (1σ)
Weight	< 60 kg
Power	18–32 V
Environmental standard	MIL 461, MIL 810

## Thermal imagers

- Available from 3–5 μm (384 x 288) and 8–12 μm (640 x 512)
- Fields of view can be set in 11 increments between 2° x 1.5° and 20° x 15°

## Laser rangefinder

- Available from 1 Hz (3 Hz burst) to 6 Hz
- Eye-safe
- Accuracy: ±5 m (±1 m optional)
- Resolution: 5 m (1 m optional)
- Laser class 1M

## CCD cameras

- Various B/W and colour CCIR (752 x 582 pixels) cameras up to HDTV zoom camera (1280 x 1024 pixels)