



GROUND-BASED SITUATIONAL AWARENESS SYSTEM

Demonstrating a broad range of technologies within operationally deployed systems and the capability to integrate sensors to deliver persistent situational awareness.

OBSERVER 100 is a trailer-borne situational awareness system delivering 360 degree day and night surveillance. It is quick to deploy and recover and can provide surveillance to mobile patrols as well as fixed installations.

OBSERVER 100 is military off-the-shelf and ITAR free, comprising of an integrated radar and electro-optic sensor head, a 10 metre mast, processor unit, power management unit and batteries mounted in a sub-frame with an integrated generator. Accepting power from a range of external sources, it is self sufficient for over 60 days and has a plug and play sensor suite to meet a range of user needs and tasks.

The system is operated via a control suite which can be situated up to 100 metres away (via cable) or further if utilising the IP radio link.

The control suite provides two displays, a map with the radar targets and tracks overlaid and a video feed from the thermal or colour camera. A joystick provides intuitive control of the EO sensors and an intuitive GUI manages all other functions.

KEY BENEFITS

- Open architecture allowing simple integration with other sensors and systems
- Deployable in under 10 minutes providing reduced vulnerability on arrival at a temporary location
- Reduced logistics burden through low power consumption combined with flexible power management to provide operation in excess of 60 days without refuelling
- Reduced operator workload and fatigue through automatic potential threat detection and location from the Ground Surveillance Radar (triggers and cues)
- Low training burden due to the rugged and intuitive icon driven user interface
- Operates effectively in extreme terrain and climate.

OBSERVER 100



KEY APPLICATIONS

- Border management
- Critical National Infrastructure
- Forward operating/patrol bases
- Major/high profile events
- Oil and gas exploration.

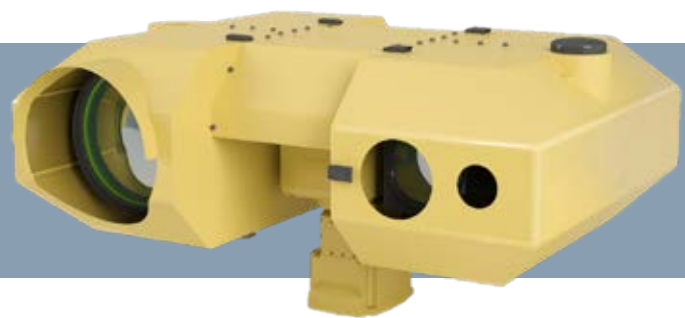
TECHNICAL SPECIFICATION

Weight	
On trailer	Less than 1750kg
Off trailer	Less than 1060kg
Sensor Height	11m (Taller solutions available within the OBSERVER family)
Time into action	Less than 10 minutes (two man team)
Deployment time	In excess of 60 days without re-supply

A range of EO and ground surveillance radar sensors can be fitted on to the OBSERVER 100 system to meet the individual needs of the Customer. Please see the relevant datasheet for their Technical Specifications.



NERIO LR - long range surveillance and threat acquisition system



NERIO ULR - ultra long range surveillance and threat acquisition system