

TERRAIN COMMANDER

Complete multi-sensor system for remote surveillance around the clock

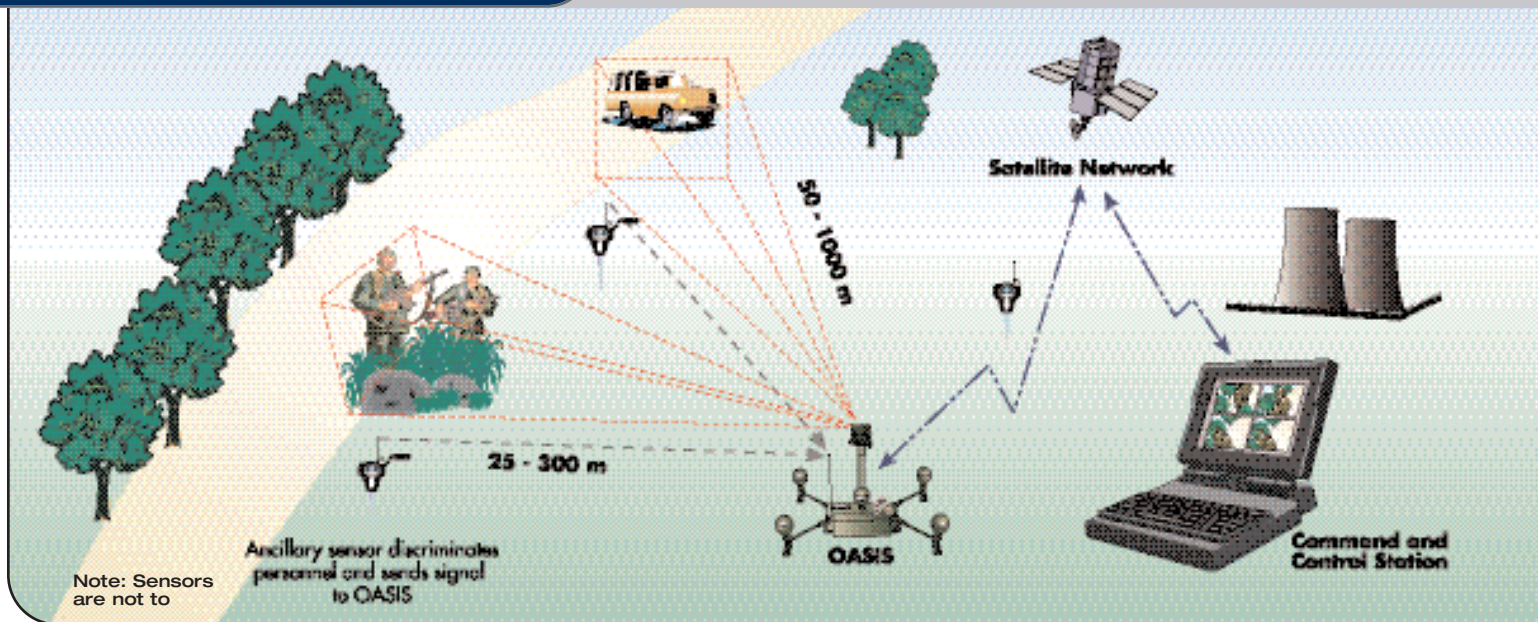


The most advanced remote area surveillance technology available

A pioneer in the field of sensor technology and integration, Textron Systems offers the next generation of surveillance technology with Terrain Commander™. A proven networked surveillance solution, Terrain Commander is ideal for use in a variety of covert military and homeland security scenarios. These include perimeter security, force protection, border control, drug interdiction, military surveillance and intelligence gathering.

The Terrain Commander system combines state-of-the-art communications and mapping technologies with a supporting array of acoustic, seismic, magnetic, electro-optical and passive infrared sensors tailored to meet mission-specific requirements. This complete multi-sensor system works effectively both day and night for remote surveillance around the clock.

TERRAIN COMMANDER



Optical Acoustic Satcom Integrated Sensor (OASIS)

Communication from field-deployed OASIS allows Terrain Commander to detect, capture and process images of intruder activity. Subject data and images are transmitted to a distant Command and Control Station (CCS) in near real-time. Displays and data transmitted from the field-deployed OASIS to the CCS — including maps and multi-frame motion detection — identify distant or obscure images that would be undetectable in a static image.

With Terrain Commander, a single operator can monitor a large number of remote surveillance sites simultaneously — from anywhere in the world — conserving time and personnel. Unlike other intruder detection systems, Terrain Commander can characterize and differentiate intruders of interest, preventing frequent nuisance or false alarms.

OASIS and Mini-Sensors — The eyes and ears of the system (in the field)

The OASIS offers day/night electro-optics and features:

- Acoustic sensors that detect and classify a variety of intruders including personnel, ground vehicles, watercraft, rotorcraft and fixed-wing aircraft.
- A combination of advanced digital signal processing and acoustic sensors accurately distinguishes a possible threat and transmits images to the CCS for review.
- A receiving and central processing unit for mini-sensors.

Custom configurations meet the demands of any unmanned ground surveillance operation

- Seismic, magnetic, piezoelectric and passive infrared sensors — suitable for a variety of applications — are among the mini-sensors deployed in the field. The system can also be customized to include meteorological, nuclear, chemical and biological detection.
- One-man portable, OASIS fits into an oversized backpack and can be deployed and fully operational within minutes.
- Demonstrated and proven effective in a wide range of environmental conditions.

OASIS Specifications

Weight	
KG	LBS
11 (base)	24.25
6 (EO)	13.23
Size	45cm x 33cm x 11cm
Deployed	122cm dia; up to 2m h
Battery Life	30 days*
Tamper Detection	Yes
Acoustic Detection Range	
Light Truck	500m
Tank	2500m
Helicopter	10,000m
Electro-Optics Recognition Ranges (day or night)	
Personnel	150m
Vehicles	500m

*Can be extended with auxiliary power pack

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