



CRITICAL ASSETS MOBILE PROTECTION

Flexnet - Wireless mesh networked Unattended Ground Sensor (UGS) platform

/ CONTEXT

When critical assets such as aircrafts are deployed on a mission in a remote or foreign location, the security of the asset can be complicated to ensure.

In order to enhance the protection of the asset and provide early warning in case of a threat, the Flexnet mesh networked system creates an invisible wall with passive Infrared sensors, Intelligent Seismic & Acoustic sensors and thermal cameras. This comprehensive system ensures a complete surveillance of the area, thus minimizing the risk for terrorism or vandalism.

The system is available in a camouflage version for discrete surveillance, or in bright colors as a psychologically preventive barrier. Every sensor and device included is battery driven, wireless and with GPS position.

/ SURVEILLANCE MATERIAL



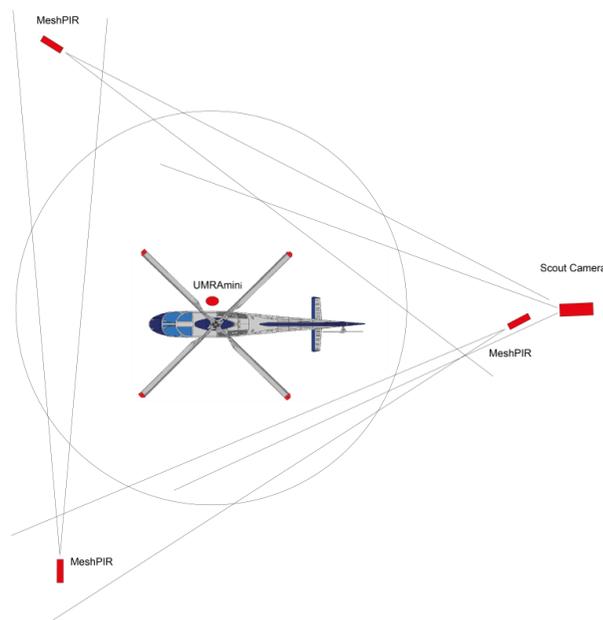
Ruggedised PDA for
comand & control

Passive Infrared sensors to
detect the direction of travel
of the threat
Lens options: 15M, 40M, 80M

Scout Cameras
Intelligent remote cameras triggered
by sensors. A variety of thermal and
daylight camera lenses are available.

UMRA Mini
Seismic/Acoustic detection
and classification of People &
Vehicles

/ SOLUTION



Three medium range Passive Infrared sensors are set up in a triangle, pointing directly at each other to form a perimeter around the asset, with one UMRMini seismic & acoustic sensor in the center, close to the asset.

The Scout camera placed at one extremity of the perimeter will take pictures or videos and send to the PDA when unwanted activity is detected at the immediate vicinity of the asset.

/ KEY BENEFITS

- ✓ Intelligent sensors
- ✓ Autonomous (no need for power)
- ✓ 24/7 surveillance
- ✓ Easy to deploy and retrieve
- ✓ Mobile & scalable system

/ CONCLUSION

Very easy to deploy and recover, low weight and long battery capacity, the Flexnet Unattended Ground Sensor platform is the ideal solution for 24/7 remote protection & surveillance around critical assets such as aircrafts. The portable PDA included in the system allows for local monitoring in case of an alarm, for example by teams deployed for guard patrol.

For other Flexnet use cases or details visit www.exensor.com