EXENSOR

BORDER CONTROL MOBILE SURVEILLANCE

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

/ CONTEXT

Borders are not systematically constituted of fences, nor all the way monitored by cameras. However, it is essential for government to maintain control over what and who crosses the frontier.

The Flexnet remote wireless surveillance system can be installed temporarily or in a fixed configuration in order to monitor large areas, without needing a pre-existing infrastructure.

/ SURVEILLANCE MATERIAL

UMRAwin C2 software, laptop, Tablet 7" or 10.1"

Gateway, collects and stores all information to work as a Base station or a relay station.

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

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

UMRA Mini
Seismic/Acoustic detection and classification of People, Vehicles, IEDs emplacement & Airborne/Helicopters

/ SOLUTION

The UMRAmini Seismic & Acoustic sensors placed along the border can detect & classify any movement. For high interest points, the Scout intelligent motion Camera can be triggered by the passive infrared sensors to identify what caused the alarm.

The scalable system can be configured in small to large networks, and can also include sub-systems. It can be monitored and operated by multiple users, from a large operation center but also through a small handheld device.

/ KEY BENEFITS

- ✓ Intelligent & autonomous sensors
- ✓ Autonomous (no need for power)
- ✓ 24/7 surveillance
- ✓ Easy to hide
- ✓ Mobile & scalable system
- ✓ Easy to integrated with existing surveillance system

/ CONCLUSION

By using autonomous intelligent sensors & cameras for surveillance, long border strips are remotely protected day & night, with a backbone communication to a central Command & Control system. The Flexnet's portable PDA helps border guards on patrol for local monitoring, in case of an alarm, to ensure a comprehensive surveillance of the area and a 24/7 information on all movements, anywhere.

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

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