



DEFENCE AND SPACE

Actacor® Integrated Surveillance Shelter

Deployable solution for ad-hoc surveillance missions

Overview

The Actacor® Integrated Surveillance Shelter is the deployable solution for short to medium-term surveillance missions, providing day and night detection, tracking, identification and classification capabilities.

Key Benefits

- 24x7 enhanced surveillance
- High flexibility in operations
- Field proven in various environments
- Operational readiness < 1h

Typical Applications

- Land and coastal border surveillance
- Ad-hoc or planned surveillance missions
- Critical infrastructure and strategic assets protection
- Enhanced situational awareness
- Emergency surveillance situations

The Actacor® Integrated Surveillance Shelter delivers improved efficiency to border guard organizations through its versatility in the field and by covering the area of observation according to needs. The system enables total surveillance by incorporating a telescopic mast with medium to long range sensors and advanced surveillance software.

It can be operated either autonomously or as part of a larger existing surveillance network. The solution allows real-time coordination and mission support to rapid response units located in the area of observation.

The shelter can be rapidly deployed and operated either on the loading deck of a truck or on the ground. As a ruggedized solution it is well suited for use in adverse conditions in both on- and off-road environments. Containing two ergonomically-designed work places for operators the whole system is housed in a specialized 10 ft ISO container.

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Usage	A fast deployable surveillance solution that can be operated either stand-alone or in integrated mode. Provides light command, control and communication (C3) capabilities.
Deployment	Can be operated on the truck loading bay or on the ground Transportable on standard vehicle platform Electric or manual mast control (erection/retraction) Vehicle manufacturer independent On and off-road operation, with levelling mechanism
Operation	2 x operator consoles located in a/c ergonomically designed shelter for operational effectiveness and comfort for missions in 8 hours shifts.
Actacor® Software	Automated object detection and tracking Local track fusion Day and night imaging with video content analysis Camera cue on radar track Situation displayed on digital maps Zone management Sensor Setting and Control Manual tracks and detection reports Surveillance alarms Status and Position Reports Optional: Mobile light C2
Surveillance sensor kit	Medium range sensor suite: Radar, daylight and thermal (EO/IR) camera Integrated eye safe laser range finder
Typical detection range *	10 km for Pedestrians 20 km for Vehicles 10 nm for Vessels
Sensor height above ground	7 m on telescopic mast while deployed on the ground 9 m while on track platform
Additional features	Facility security based on 360° CCTV proximity surveillance CO2 and smog/fire detection and alarming Emergency escape door Air conditioning unit Meteo station Optional: lifting jacks with 2 degrees levelling
Communication	Standard Gigabit Ethernet or fiber-optic plugs for connecting to broadband terrestrial data links Optional: - Integration of radio transceiver (CFI*) communication through the existing radio infrastructure - Via satellite communication link 1.2 antenna self-oriented - Dedicated radio communication equipment for broadband voice and data transmission, that does not rely on public communication infrastructure
Power supply	Battery-driven Uninterruptable Power Supply (UPS) Possibility to connect to external power supply (230 VAC, 50Hz) using standard plugs

*Customer Furnished Items

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