



INTEGRATED HOMELAND SECURITY SYSTEMS

Features

- A single fully integrated command & control solution
- Enhanced domain and situational awareness
- Flexible – wide range of interfaces
- Cost effective integration of COTS modules
- Scalable architecture
- Future proof – open system architecture supports future upgrades
- Integration of all legacy and current surveillance systems

Recognised as a centre of excellence in key areas of defence technology, Ultra Electronics is alert to the new threats of the 21st century, which demand a new and integrated approach to national security management.

The flow of people and goods across a nation's borders helps support the economy, but at the same time also serves as a conduit for terrorists, weapons of mass destruction, illegal migrants, contraband, and other unlawful commodities and activities. To satisfy these requirements, Ultra Electronics has developed an integrated suite of solutions to enable effective monitoring and protection of national borders essential in any Homeland Defence arena.

Ultra's Integrated Homeland Security System enables total communication between all sensors, surveillance systems, C4 centres, ships, aircraft and vehicles deployed on land, in the air and at sea.

The integrated system design ensures that essential information is readily available, centrally, to enable the operator to easily and rapidly redeploy assets.



PROVIDING SECURE COASTLINES AND BORDERS

SURVEILLANCE FEATURES

- 24 hour long range EO day and night cameras
- Urban CCTV
- Radar surveillance
- Underwater surveillance
- Remote fixed surveillance towers
- Mobile surveillance
- Electronic Surveillance Measures (ESM)
- AIS integration
- Integration of customer owned or new installations

COMMAND & CONTROL (C4) FEATURES

- Fully integrated C4 System
- Tracking and coordination of own assets for rapid deployment and quick reaction
- Integration of all current surveillance systems
- Provision of one Common Operating Picture (COP)
- Data recording

COMMUNICATIONS FEATURES

- Secure and encrypted
- Microwave or Radio Line-of-Sight (LOS) links
- Satcom and landline links to provide Over-the-Horizon (OTH) coverage

INTELLIGENCE FEATURES

- Threat, terrain and border analysis
- Integrated external agency feeds
- Data fusion from multiple sources
- Integrated feeds
- Track relay and reports

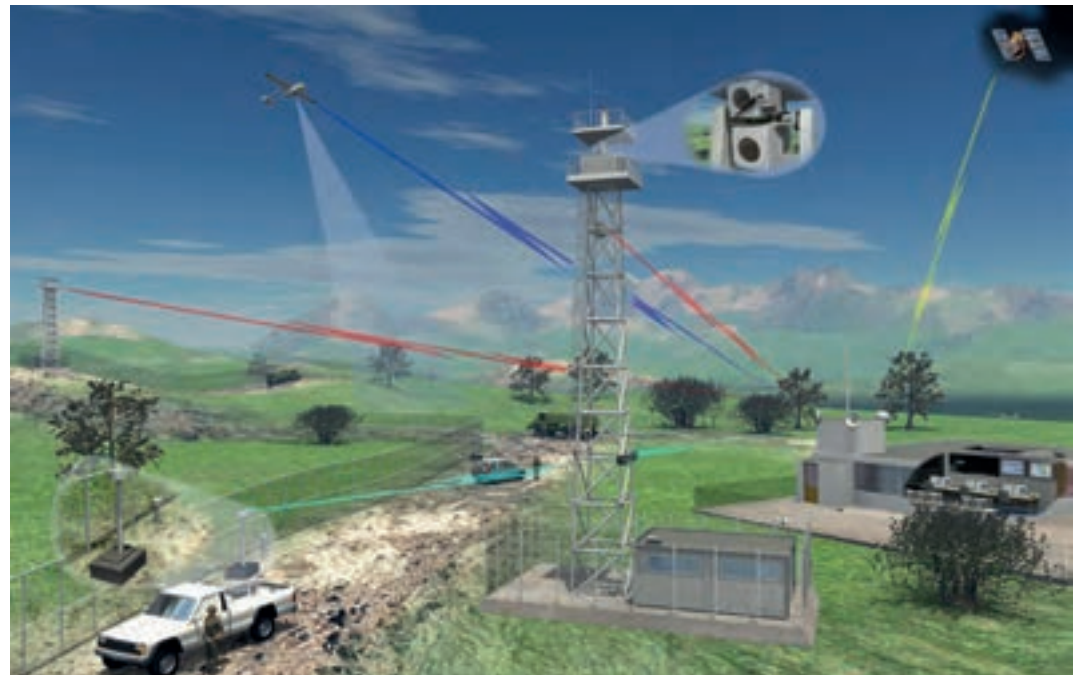
INTEGRATED SENSOR NETWORKS AND COMMAND

INFORMATION MANAGEMENT FEATURES

- Information exchange with other agencies
- Management of intelligence data
- Seamless mission planning
- Decision making tools
- Sensor fusion

INTEGRATED SOLUTIONS: FEATURES

- Border crossing and ingress/egress point installations
- Own and friendly forces tracking
- Border fencing and boundary protection
- Emergency response
- Behavioural pattern recognition
- Vibration, movement and motion detector
- Biometric recognition systems



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