



COASTAL MOBILE SURVEILLANCE UNIT

The most efficient coverage for large coastlines is achieved through a network of Coastal Mobile Surveillance Units (MSUs) with a Mobile Command Centre. Coastal MSUs can operate autonomously or be integrated with larger coastal/border management and harbour protection systems.

The Coastal MSU has a radar to complement the infrared (IR), visual band and laser range finder sensors. The radar enables long-range target detection through poor visibility, over coast and sea. Illegal activity is detected and delivered to medium range IR and TV sensors for threat identification and recognition. The radar, IR and TV sensors are designed to be complementary in performance.

KEY BENEFITS

- Cost effective patrol of large coastal borders
- Rapid deployment and re-deployment to ports, harbours or remote coastlines to counter a threat
- Military or standard road vehicles with true off road capability
- Mobile surveillance systems enables vehicle independent solution
- All-weather long range radar view
- Complementary sensors in multiple wavebands (infrared, visual and radar) for covert 24-hour surveillance.
- State of the art, military, high resolution sensors enables positive identification
- Secure communications and encrypted video transmission
- Maximum commonality of equipment with Land MSU for low acquisition cost

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caption

TECHNICAL SPECIFICATIONS

Radar Sensor Suite

High performance ships radar, 3.5ft antenna, 96nm range

LCD 10.4 ins colour display / plotter

Integrated Sensor Suite

SELEX S&AS UK 3-5 um 640 x 512 IDCA imager fitted with a switched FoV lens with added

Electronic magnification up to x 16

Military standard electro optics director and control system

Military eyesafe laser range finder

Colour TV day camera

The latest high dynamic range Low Light Level TV (L3TV), daylight to starlight, monochrome camera

Integrated digital compass

Sensors are integrated into a qualified, rugged, enclosure to protect them from the harshest environment

Vehicle and Container Design

The Coastal MSU provides a spacious containerised surveillance control room equipped with twin elevating masts for radar, IR and visual band sensors. Containerised systems offer vehicle independence allowing the end user a selection of an appropriate vehicle for the local terrain. The major container sub-systems: Integrated sensor suite, control system, computer, displays, power management and digital map software can also be supplied in isolation to fit customer specific vehicles.

- Comfort, space and climate control are optimised for operators working long shifts in all weather conditions
- Fully insulated container (thermal and noise reduction)
- Intelligent AC and DC power management providing silent operational capability and/or petrol or diesel generators
- Low level lighting systems interlocked with side access door and driving lights
- Complete operators console with storage bays / drawers

Interior Design

The surveillance container is divided into three compartments: operations, radar equipment and IR/TV equipment. The operations area is for two operators, one controlling the sensor suite and the other controlling the radar and digital map. The control console includes:

- A radar LCD colour display/plotter
- Weather fax display
- AIS integrated into radar display
- Three high-resolution 17" TFT flat panel monitors to display IR and TV camera scene simultaneously with the digital map
- GPS system
- Ergonomic sensor suite control panel and joystick for operator controls
- High resolution secure multichannel digital HDD recording or optional, DV Cam, DVD or SVHS incident recording
- Power and battery monitoring panel with optional computer display
- Secure radio communications equipment
- A data / video link to enable transmission from the CMSU to other networked vehicles, or a static command centre
- Optional satellite up-link

For more information please email sales.marketing@selexgalileo.com

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