



## ALL-TERRAIN MOBILE SURVEILLANCE VEHICLE

Protection of large borders and key installations demand the flexible use of surveillance assets. The SELEX Galileo All-Terrain MSV can operate autonomously or integrated with larger border management and coastal protection systems.

### REAL TIME VIDEO SURVEILLANCE

High performance surveillance capability is achieved with an Electro-optical sensor package comprising Thermal & Visible imagers with Laser Range Finder. All sensor imagery is digitally signed and recorded in real time to ensure the evidential trail remains intact.

### COMMAND AND CONTROL MAPPING SYSTEM

The heart of the MSV system is an Integrated Situational Awareness Terminal, which provides the key tactical picture and command interfaces. This presents all the data in one place to aid command decisions.

### NETWORKED ENABLED SYSTEM

The network ready system enables both remote control of the surveillance system, transmission of imagery and tactical information together with an ability to 'pull in' sensor data from other deployed sensor nets.

### GROUND SURVEILLANCE RADAR

The Radar, together with the integrated Electro-optical sensors, offers a highly versatile and affordable security platform. Featuring the latest electronic and antenna technology, the radar offers unique capabilities for the remote detection of moving objects.

### KEY BENEFITS

- Multi band complimentary sensors
- Enhanced situational awareness
- Integrated C2 system
- Surveillance or Command vehicle roles
- Full sensor control
- Network enabled
- Sensor remote control available
- Secure digital video archiving
- Video motion detection
- Proven off road vehicle
- Comfortable operator environment
- Driver and Operator air-conditioning
- Covert, 24 hour, all weather surveillance
- Military or standard road vehicles with true off-road capability
- Mobile surveillance system enables vehicle independent solutions.

## All-Terrain Mobile Surveillance Vehicle



Internal layout



All Terrain MSU variants

### TECHNICAL SPECIFICATIONS

#### Integrated EO Sensor Suite

640 x 512 Cooled MW Thermal imager with high performance lens with added electronic zoom up to 16x.

Colour TV Day camera with zoom optics.

Low Light Level TV monochrome camera with zoom optics.

Military eyesafe Laser Range Finder.

Integrated digital compass.

Qualified rugged enclosure.

Military standard Electro-Optics director and control system.

#### EO detection performance

Man >6 Km

Vehicle >15 Km

#### Radar Sensor

Range Limit 20m to 8km

Range Accuracy  $\pm 5m \pm 0.1\%$

Scan time 1.6s or 3.2s

#### Detection Performance

Man (1m<sup>2</sup>) 2km

Vehicle 3.7 to 6.6km

Range Rate Limits 0kph to 80kph

Min Detectable Velocity 1.4kph

#### Pinzgauer Vehicle

Engine Volkswagen 5 Cylinder Turbo Diesel Intercooled  
Euro III, 2460cm<sup>3</sup>

Transmission All wheel drive and differential locks front and rear (100%) which can be engaged and disengaged while on the move.

Chassis and Suspension Torsion resistant central tube chassis incorporating the transfer case and lockable differentials with portal hubs on swing axles

### ALL-TERRAIN VEHICLE

Defence forces worldwide are choosing the legendary Pinzgauer all-terrain vehicle to fulfil a growing range of operational requirements, specialised roles and applications. The MSV uses the Pinzgauer Improved Medium Mobility vehicle, which offers exceptional mobility as well as multi-role versatility however, MSU variants are based on customer specific vehicles and needs. Armoured versions are also available for MSV installations.



Multi band complimentary sensors

For more information please email [sales.marketing@selexgalileo.com](mailto:sales.marketing@selexgalileo.com)

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