

SIMS 2

INTEGRATED MOBILE SURVEILLANCE SYSTEM



BEYOND
THE SENSES



SIMS 2

INTENDED FOR DAY AND
NIGHT SURVEILLANCE ,
IN VARIOUS
ENVIRONMENAL
CONDITIONS , OF
CRITICAL
INFRASTRUCTURE
ELEMENTS





DESIGNED FOR:

- ☐ Gathering information from different type of sensors:
 - optical
 - distance measurement,
 - positioning,
 - recognition.
- ☐ Processing and integrating obtained information into the GIS application running on a ruggedized PC.
- ☐ Transmitting and receiving information to/from other structures.
- ☐ Monitoring the response activities and their results.
- ☐ Storing the data and images needed to prove the identified activities.
- ☐ Possibility to add subsystems for new tasks



LIFE SUPPORT:

- ☐ Air filtering and ventilation system
- ☐ Air conditioning
- ☐ Heating systems
- ☐ Automatic environmental conditions monitoring & control

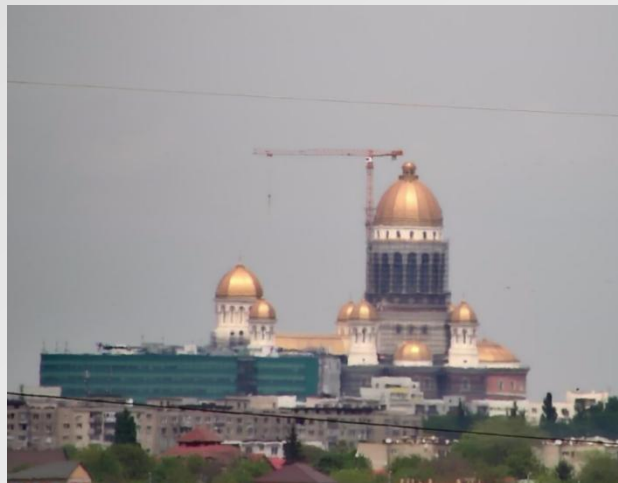


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EFFICIENCY:

THERMAL CAMERA:	SWIR CAMERA:	DAY CAMERA:
• Detector InSb 10 pm • Spectral range 3-5 um • Resolution 1 280 x 720 • IFOV 0.025 mrad • Optical zoom - continuous to X22 • MTBF (cooler) 20,000 hours	• Detector SWIR >99,5% pixel operability • Spectral range 0.9 - 1.9 um • Resolution 1 280 x720 • IFOV 0.023 mrad • Optical zoom -continuous to X12	• Sensor CCD 1/2", 2.17 Mpixel • Spectral range 0.4 - 0.9 um • Resolution 1 920 x 1080 • IFOV 0.02 mrad • Optical zoom -continuous to X30



OPERATION:

- ☐ On rechargeable batteries at least 12 hours without recharging
- ☐ On power generator at least 72 hours without refueling
- ☐ Local electric network
- ☐ Power automatic management
- ☐ Time to ready for operation: 20 minutes

MOBILITY:

- ☐ Container with aluminum structure on a trailer 02 category
- ☐ External dimensions : 4000mm (13ft-1in) x 2050mm (6ft-7in) x 2400mm (7ft-8in)
- ☐ Automatic levelling system ensures levelling up to a slope angle of 8

STANDARDS:

- ☐ Detection/Recognition/Identification (STANAG 4347)
 - Man Target 0.5 x 1.7m : 12.6 km / 5.5 km / 2.8 km
 - NATO Target 2.3 x 2.3m: 28.2 km / 9.1 km / 5.5 km
 - Laser Range Finder - more than 10 km for NATO target
 - Electromechanical telescopic mast - maximum height 7.5m
- ☐ System software with G15 application integrated Safety:
 - Perimeter Surveillance System (IP camera + PIR sensors + NVR)
 - Functional safety monitoring system (mini PC + X-332 monitoring & logging system + monitoring sensors + alarming device)
- ☐ Communication System :
 - Switch TP-Lin k + Route r 4G/LfE CISCO + Tetra Motorola MTM 5400

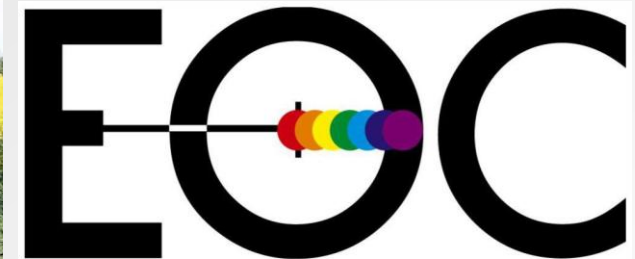


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