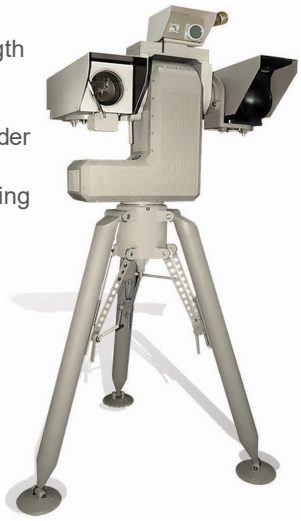
The EOSS-I 103 is an ideal system for long range surveillance, observation and monitoring of land, air and sea related operations. The system is designed in a modular construction for conversion and adapting system performance to mission parameters. A variety of sensors and control equipment have been integrated, including precise high speed payload, infrared and visible cameras with variable focal length lenses and a laser range finder.

SYSTEM SPECIFICATIONS

- Day imaging (TV camera with 110x zooming and variable focal length from 10 to 1100 mm)
- Night imaging (Cooled IR camera with lenses from 240 mm to 1020 mm focal length
- -as optional)
- Passive (Radiation less if LRF is not used)
- Determining Target azimuth and elevation on time (Feedback of absolute encoder with 0.003° accuracy)
- Enhanced image quality (SUPERVIEW, RQUILIZE and DDE image processing algorithms)
- Stabilization (Removing image fluttering to 25% of image dimensions)
- Moving targets recognition and tracking



TECHNICAL SPECIFICATIONS

IR Camera	
Sensor type	320x256 Hgcdte cooled FPA
Wavelength	3~5μm
Focal range options	M18:50mm , 250mm ,600mm, M18E:85mm, 425mm, 1020mm M3:60mm, 240mm M3E:120mm, 480mm
Start-up Time	≤5 min
Platform	
Installation	Easy installation and replacement on-site
Speed	Variable speed: 0-40°/s Pan: 0-20° /s Tilt
Movement	Horizontal: nx360°, Vertical: -45° ~ +90°
Positioning Feedback	17bit absolute encoders
Water Resistance	IP66
Voltage	24VDC
Operating Temperature	-30°C ~ +60°C
Storage Temperature	-40°C ~ +70°C
Laser Range Finder	
Wavelength	1.064 micrometer
Energy	30 ~60 mj
Operating Range	500m ~ 10Km
Accuracy	+5M
Frequency	1~5HZ