



EOSS-I 202 as a new electro-optical imaging and tracking system includes LRF, thermal and TV cameras, monitor and control unit. The system provides all the day and night surveillance and its main features are as follow:

FEATURES

- 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 lengths 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 target recognition and tracking

TECHNICAL SPECIFICATIONS

IR Camera (M6)

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	≤6 min

TV Camera Options

CCD Sensor Type	1/3 Inch, Twin ILT CCD HAD Color Exview Air Cooled
Sensitivity at CCD (Real Time)	5 mlux. With 30% video out. max AGC
Resolution	480 TV Lines
Lens Focal Length	10mm-1100mm (with built in 2x extender)
Field of View	26° (Wide), 0.26° (Narrow)
Zoom, Focus, Extender, IRIS	Motorized

Platform

Installation	Easy installation and replacement on-site
Speed	Variable speed: 0-40°/s Pan: 0-20°/s Tilt
Movement	Horizontal: continuous with Slipping, 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