



EOTS-I 1 is a passive electro optical firing control for anti-aircraft artilleries. This system is equipped with visible and thermal cameras and high frequency laser range finder for tracking targets. The system uses environmental sensors and gun orientation information to calculate trajectory of the target then fires on target future point.

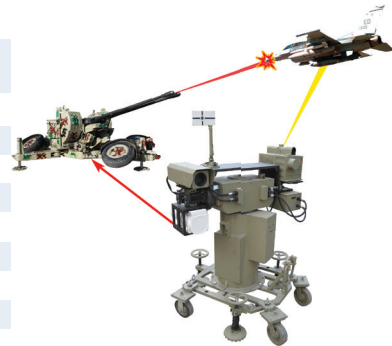
FEATURES

- Passive observation, detection and tracking system.
- Operation during day and night in normal and harsh environment.
- Electromagnetic jamming resistant
- Tracking of aerial targets up to 25 km
- Compatible with 35mm,37mm,57mm,100mm artilleries.
- Calculating trajectory of the ballistic targets and firing on target future point
- High speed response and detection algorithm
- Environmental sensors (wind speed, wind direction, pressure, temperature and moisture)
- Easy transportation and deployment about 20 minutes
- Installable on different types of military vehicles and shelters.
- Simultaneous controlling fire of four artilleries
- Up to 100 meters distance between tracking platform and operator site
- Operation against stealth, cruise, RPV and other targets with poor RCS

TECHNICAL SPECIFICATIONS

IR Camera

Detector	HgCdTe Cooled FPA, 3 ~ 5 μm , 320 * 256 pixels
Field of view	9.1 * 6.9 (Wide)
Brightness / Gain adjustment	2.3° * 1.7° (Narrow)
Non-Uniformity Correction (NUC)	Automatic, Manual
NETD	1 point, 2 point, External, Internal
Storage temperature	≤20 mK @ 25°C
Operation temperature	-40°C ~ +70°C
Start-up Time	-30°C ~ +55°C
Power Consumption	≤8 min
Water Resistance	14 W
Communication Port	IP67 - Standard RS422/232



TV Camera

CCD Sensor Type	IL T CCD SUPERHAD black & white
Minimum illumination	Sun rise - Sun set
Resolution	550 ± 50 TV Lines
Lens Focal Length	10mm-500mm
Field of View	27.5° * 20.4° (Wide), 0.57° * 0.42° (Narrow)
Zoom, Focus	Continuous
Available Accessories	Sunshield
Water Resistance	IP67
Communication Port	Standard RS485

Laser Range Finder

Wavelength	1.064 μm
Energy	60 mj
Operating Range	200m ~ 10Km
Accuracy	± 5m
Frequency	12.5 Hz
Operating Temperature	-30°C ~ +55°C
Storage Temperature	-40°C ~ + 70°C
Relative Humidity	90%
Communication Port	RS422

Platform

Speed	Variable speed :0°-120°/s Pan; 0°-90°/s Tilt
Pan / Tilt Axis Range	Horizontal continuous with Slipping, Vertical -5° ~ +85°
Communication port	Fiber Optic
Positioning Feedback	25 bit (17bit used) absolute encoders
Water Resistance	IP65
Power	220VAC - 1 Ph, 50Hz / 380 VAC 3 Ph

RADAR AND OPTIC