Today, active defense systems and electromagnetic radars are detectable and attacked by jammers. This system is a passive electro optical system to detect planes, missiles and helicopters. Mission of this system is detection of flying targets without sending electromagnetic waves, which makes it difficult to be detected by enemies. The system searches for flying objects then reports its position to control panel.

FEATURES

- Passive detection of flying objects.
- High Rotation rate: 360º/s
- Sending target data (azimuth and elevation) to firing control systems.
- Day/Night operation.
- Electromagnetic jamming resistance.
- Four Thermal Cameras.
- Image Panoramic display 360 º views.
- Horizontal range: 360º
- 5.78, 2.30 or 1.16 Vertical range up to four steps.
- Detection range in the normal atmosphere(vertical range 1.16 up to four steps):
- - Cruise missile: 17 km
- - Helicopter : 30 km
- - Fighter: 50 km

TECHNICAL SPECIFICATIONS

IR Camera	
DETECTOR	Cooled MCT 288x4
NETD	Less than 100 mk
Focal length	80 or 200 or 400 mm
FOV	1.16°x1.55° or 2.30°x3.07° or 5.78°x 7.71°
Operation temperature	-30°C ~ +55°C
Platform	
Weight	561 Kg
Pan rotation rate	216°/s Middle 309°/s Wide 108°/s Narrow
Pan rotation range	nx360°
Tilt rotation range	-10° ~ +80°
Platform position measuring accuracy	0.01
Communication	Fiber Optic
Dimension	1.4x1.8x1.0 m