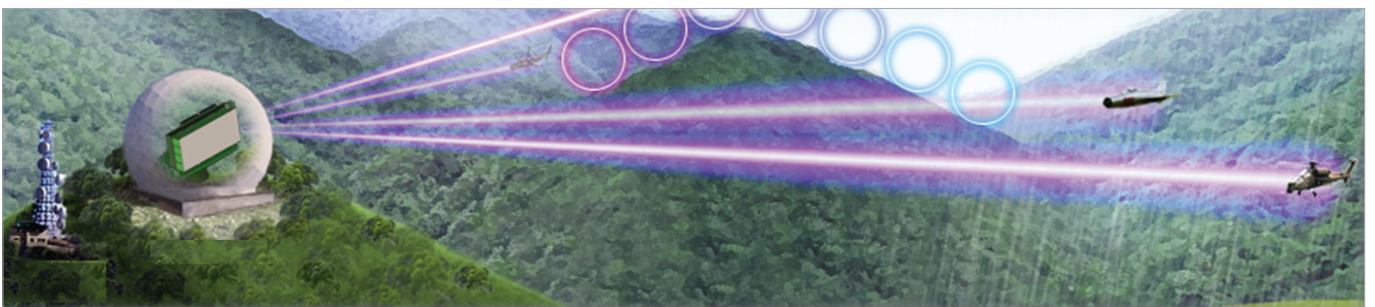
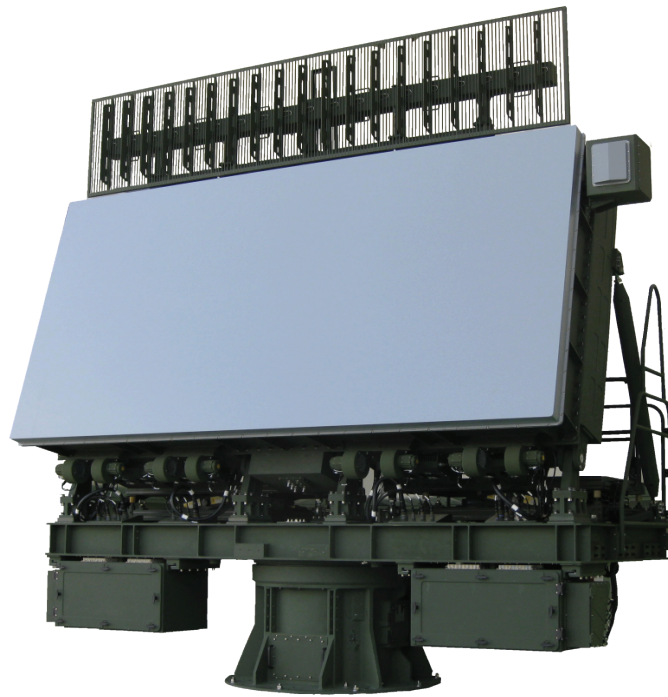


# Medium Range Air Surveillance Radar

(LRS-180)

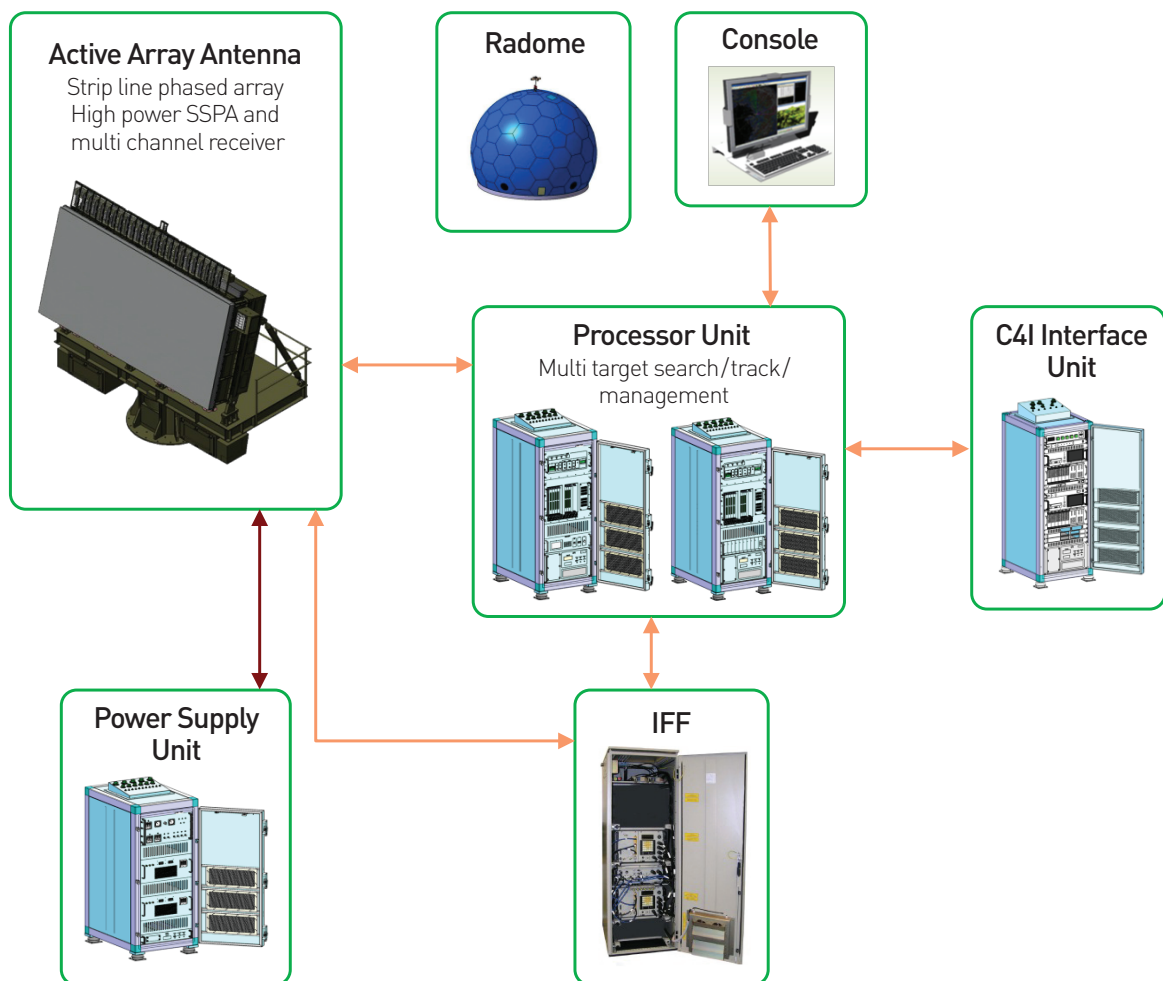


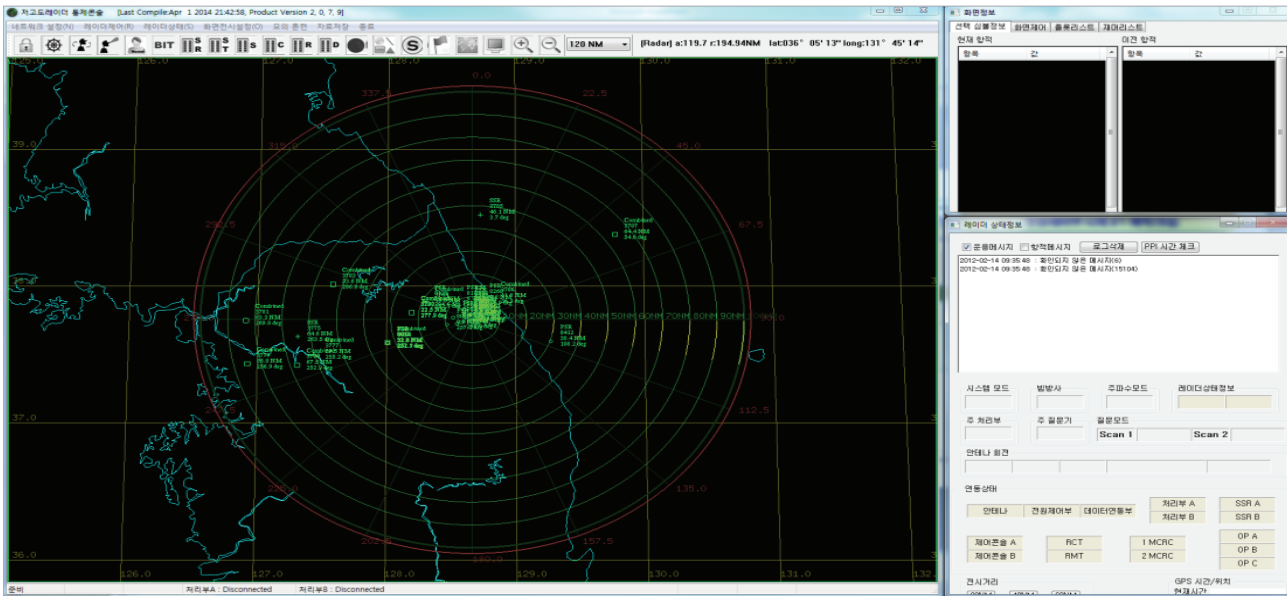
# Medium Range Air Surveillance Radar

## LRS-180

- ▶ 3D Medium Range Air Surveillance Radar with solid state Active Phased Array Antenna
- ▶ Adapting terrain following beam operation so as to effectively detect targets flying low altitude in a mountainous area
- ▶ 12 full-time beams provide time energy management to detect targets at all velocities with no dim speeds
- ▶ Installation flexibilities (Transportable and fixed version)
- ▶ Air Traffic Control compatible

### System Configuration





### Mission

- ▶ Air surveillance and gap filler
- ▶ Detection of all types of airborne targets as required
- ▶ Dual antenna turning rate depending on operation environment
- ▶ Generation of real time air situation picture
- ▶ Air Traffic Control Mission compatible

### Features

- ▶ 3D air surveillance radar by solid state Active Phased Array Antenna
- ▶ Dual use Airport Surveillance Radar as well as defense surveillance gapfiller capabilities
- ▶ 2 operators or more
- ▶ IFF antenna integrated with antenna array-required no alignment
- ▶ Superior low altitude operation
- ▶ Top in class ECCM protection
- ▶ Low cost Logistics supportability
- ▶ Ease of operability and high reliability with graceful degradation

### Specifications

Element	Spec	Remarks
Frequency Band	S	
Instrument Range	100NM	
Elevation Coverage	xx,xxx ft	-X ~ +XX°
Transportability	Road (25 ton Cargo Truck)	
Operation Temperature	-35 ~ +50°C	
IFF	Available	
Antenna Rotation	x/xx rpm	
Air Tracking Capability	1,000 tracks	
Data I/F	ASTERIX/User Defined Format	
MTBCF	x,xxx hr	
MTTR	x.x hr	



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