



# GSR -110 S Medium Range Ground Surveillance Radar



## DESCRIPTION

GSR - 110 PS is a solid - state medium range, all weather ground surveillance and target acquisition radar used to detect, locate and identify moving targets such as isolated infantry, vehicle and low flying helicopter. This system can be installed both on the ground and on the vehicle. The detected targets can be displayed on an LCD monitor by PPI scope and the resulting doppler sound can be heard by means of loudspeaker or headphone.

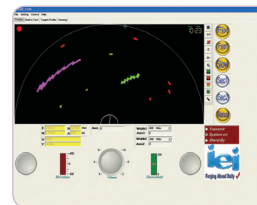
## FEATURES

- Pulse Radar.
- Fully Solid State Transceiver.
- Full Function Remote Control (FFRC)
- PC - Based Signal Processing, Control and Monitoring.
- Using Doppler Sound of Moving Targets.
- Built In Test (BIT) capability
- Automatic sectorial surveillance with sector axis and selectable width
- Area Management.
- Modular Design.
- Audible Detection Alarm.
- Manual & Automatic Scanning Mode.
- Low Probability of Interception.



## APPLICATIONS

- Battle Field Frontier Reconnaissance & Surveillance.
- Border Surveillance for Police Squadron.
- Protection of Important Zones.
- Military Force Deployment Monitoring.
- Guidance of Ground, Naval and Airborne Attack Units.



## TECHNICAL FEATURES

Detection Range	Pedestrian Light vehicle Heavy vehicle Helicopter	6 km 12 km 15 km 12 km
Resolution	In range In azimuth	40 m 50 mils
Location Accuracy	In range In azimuth	10 m 10 mils
Azimuth Coverage		0-360°
Detectable Target Velocity		3.5 km/h ~ 103 km/h
Power consumption(without computer)		150W
MTBF		≥ 1000 h
MTTR		≤ 30 min
Environmental conditions	Operator console temperature Equipment outdoor temperature Equipment storage temperature	0°C ~ + 50°C -20°C ~ + 55°C -30°C ~ + 65°C
Weight	net gross	117 kg 174 kg