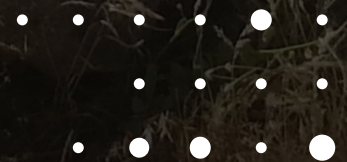




Persistent Ground Surveillance Radar

Man-Pack Tactical Radar
ELM-2112 V8



Persistent Ground Surveillance Radar

Man-Pack Tactical Radar

The ELM-2112 V8, part of the field-proven ELM-2112 Persistent Ground & Coastal Surveillance radar family, is a portable, high-resolution radar providing tactical situational awareness capabilities for maneuvering land forces. Featuring simultaneous multi-beam "staring" technology, the radar provides persistent surveillance and instantaneous target detection and tracking over a wide area with high probability of detection and low false alarm rates. The radar is designed for simultaneous dual-use operation of ground and sea surface surveillance, even in adverse conditions. Operating in X-band and with Frequency Modulated Continuous Wave (FMCW), the system can detect a moving vehicle up to 15 km and person up to 7.5 km.

ELM-2112 V8 is rugged, portable and quick to deploy, and adheres to a reduced SWaP (Size, Weight and Power). The radar only weighs 9 kg and the entire radar pack with tripod, batteries and other accessories weighs 26 kg and requires a setup time of less than two minutes by a single operator. With low power consumption of 40 Watts, the system can operate up to 36 hours from the battery-pack. It can also be installed on vehicles, aerostats and tethered drones

FEATURES

- Rugged and lightweight
- Automatic and continuous detection and tracking with high accuracy
- Operation under all weather conditions
- Low cost of ownership due to low power, no-moving parts, very low failure rate and fault tolerant degradation
- Very low false alarm rate

SPECIFICATIONS

Description	Parameters
Frequency Band	X Band
Azimuth Coverage	90°
Detection Range:	
▪ Moving Vehicle	15 km
▪ Walking Person	7.5 km
Weight:	
▪ Radar	9 kg
▪ Radar with Accessories	26 kg
Range Accuracy	< 10 m
Azimuth Accuracy	0.25°
No. of Tracked Target	Up to 500
Power Consumption	40W

