

Ground and Coastal Radar

GR12



GR-12 is a new family of advanced high resolution radars with unique and outstanding capabilities. Featuring simultaneous multi-beam technology the radar provides persistent surveillance and instantaneous target detection and tracking over a wide area (FMCW technology).

The radars are designed for dual use - ground and sea surface surveillance, even in adverse weather conditions.

In operational use by military, paramilitary and security agencies, the radars instantly detect, monitor and track all moving targets in the Region of Interest (ROI), such as a walking person, a moving vehicle and various vessels and boats at sea.

These radars feature up to 4 stationary (non-rotating) planar antennas, each covering a sector of 90°.

The radars cover detection ranges from 300m up to 15,000m for a moving person or a rubber boat and ranges of up to 30,000m for a moving vehicle or a sailboat, depending on its version.

The radars are capable to automatically adapt their processing (ground moving target detection or sea surface target detection) according to the relevant background map.

This new radar family reflects BATS vast experience in surveillance radars and signal processing, utilizing cutting edge radar technologies.

Applications

- Battlefield surveillance
- Ground and coastal border security systems
- Site perimeter protection
- Critical infrastructure protection
- Low flying aircraft detection within the beams