3D Long Range Air Surveillance Radar

Ground Master 400α

Taking air surveillance to the next level

- Unmatched field-proven detection performance, from low, slow, small to highly maneuvering threats
- Outstanding processing power: Continuous performance improvement, always in the lead
- Exceptional survivability via its unique capability to operate on one single truck
- World’s most popular 3D long-range radar over the last 10 years
Delivering peace of mind

Ground Master 400α

Missions Diversity
With simultaneous high, medium and low altitude detection on a large variety of targets from UAVs to Tactical Ballistic Missiles, the GM400α shows outstanding performance at each scan, in all elevations up to 40° over a large spectrum of RCS, for an extended target velocity domain, with both Mode S and Mode 5 interrogations.

See everything with every scan

Unmatched Deployability and Survivability
Thanks to a truck mounted operation capability, the GM400α features a very short tactical encamp-decamp time. In addition, switching from a fixed position on a tower to truck operation is swift thanks to a unique compact ISO 20-foot container with an embedded lifting system. Combined with decoys, the GM400α provides the user with rare survivability potential for a long-range radar.

Operate safely where and when you decide

Excellence and Reliability from Day One
With more than 75 GM400 sold worldwide in more than 15 countries, trust is long established from on time product delivery with the right level of quality to lasting reliability and performance in the years ahead. As a Software-defined Radar, the GM400α continuously delivers the highest level of functionality and performance with software updates using artificial intelligence to address new threats, improve Electronic Counter Measure capabilities and defend against cyber attacks for today and tomorrow.

Keep your radar at the highest standards

Detection Domain
- Instrumented range: 515 Km
- Ceiling: Up to 100,000 feet
- Elevation coverage: 40°

Key Features
- Update rate: 6s
- S-Band with GaN technology
- Digital stacked beam
- Active Tracking (TBM)
- Windfarm filter
- AI-powered algorithms
- Deployment time: <1 hour
- Operational availability: >98.5%
- MTBCF: 3,500 hour (Fixed)/3,000 hour (Mobile)
- MTTR: <30 min
- Predictive maintenance: 30 hours/year

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