Military Sales Army - Naval - Air Force

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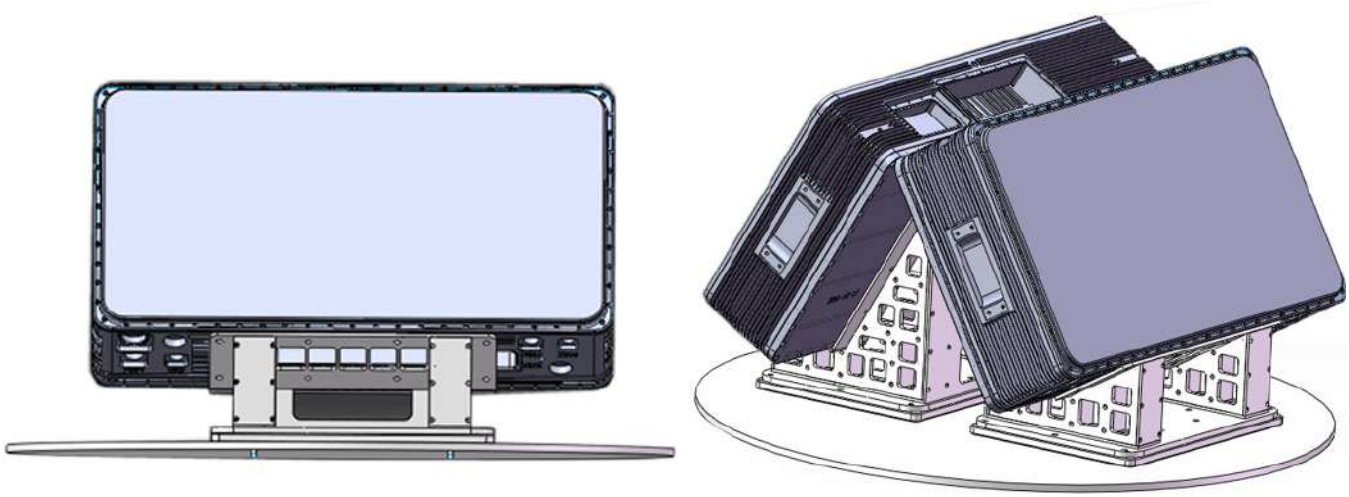
BCS200 is a multi-function3D short range air defense radar featured wth double phase arrays. With a detection range of up to 200km and more than 70 degrees of elevation coverage, it scans the entire volume in less than a second, detecting and tracking all types of targets, including very small and low speed threats。



Main Features:

- X band, 9.0GHz-10.0GHz
- 3D AESA with Digital Beamforming stacked beam antenna
- Multi-function with adaptive resource management capability
- 600+ simultaneous target tracking capacity
- Automatic geo-referencing and orientation
- All-weather 24x7 operation
- Fast deployment or fixed installation versions
- Portable operator terminals
- Flexible interfaces for custom integration
- Optional IFF
- Compact size and light weight, all solid, high stability and high reliability

Technical Specification

Working frequency	X-Band
Operating frequency range	9.0GHz - 10.0GHz
Detection range (0.125hz)	Rcs ≥100m^2, ≥190km (7.5RPM), 154km (15RPM) Rcs ≥1m^2, ≥70km (7.5RPM), 60km (15RPM) Rcs ≥0.1m^2, ≥40km (7.5RPM), 33km (15RPM)
Maximum target velocity	Rcs≥100 m^2, 200m/s
Detection altitude	H=Sin (correction of radar's own erection angle and pitch angle) * target radial distance
Identification friend or foe (IFF) , optional	Distance: 200km Modes: 1,2,2,/A,C,S
Coverage	Azimuth: 360° Distance: 0.2-200km
	Pitch: ±35°

Data rate	0.125hz-1hz (7-60RPM)
Accuracy	Azimuth: ≤0.2° Pitch: ≤0.4° Distance: ≤10m
Multi-objective capability	Number of trace processing: ≥150 batches; Track processing quantity: ≥100 batches;
Power consumption	Overall power consumption (without IFF) ≤3KW
Individual array size	≤1500×800×200mm
Single array weight	≤150kg