

Short Range Air-Radar

MODEL *PH-RDR 200C*



General Description

Phantom's **PHRDR200C** is a Very Short Range Air Radar, designed to detect and track low flying targets such as Drones, Mini-UAVs, RCs etc.

The **PHRDR200C** is a portable, small-dimensioned, lightweight Air Radar, working on the **C** Band.

The **PHRDR200C** works on a pulse Doppler modulation, using a state-of-the-art phased array - Multi-Beam Antenna for altitude coverage of 0°-60°, and 360° azimuth coverage by the Antenna's rotation.
The detection range is up to 20km.

System Features

- Compact Size and Lightweight
- 3D Radar – 360° azimuth coverage
- Range up to 20km
- Digital Receiver
- Digital Beam Forming (DBF)
- Integrated/Standalone Operation Post
- Very high reliability
- Controlled and operated locally or remotely (depends on customer's request)
- Extensive BIT
- Low power consumption

Technical Specifications

RF Characteristics	
Frequency	S Band or C Band
Detection Range	Up to 20km
Range Accuracy	30m
Detected Target speed	0-200 m/sec
Detection Azimuth	360°
Azimuth Accuracy	0.3°
Detection Elevation	0° - 60°
Elevation Accuracy	1°
Update Rate	2 sec (30 rpm)
Resolution (Target's Box)	Azimuth -3.5°
	Elevation -8°
	Range - 65m
Interfaces	Ethernet- 2 Ports (10/100/1000)
	I/O- 5 (Open/Ground)
	VGA- 1 set
Tracked Targets (Max.)	100 - Track While Scan
Power Consumption (Approx.)	480W
Operating Voltage	28VDC
Physical Data	
Dimensions (H x D x W)	Antenna - 120 x 80 x 22 cm
Total Weight	68 kg
Environment of Operation	
Operating Temperature	-30°C to +55°C
Storage Temperature	-30°C to +65°C
Humidity	5% - 95% non-condensing

*Specifications are subject to change without prior notice
Ver. 1.00.09.19