

RMF-200V

TACTICAL 3D AIR DEFENCE RADAR



RMF-200V is a multi-mission / multi-function 3D short range air defence radar featuring a lightweight compact design based on state-of-the-art technology. 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.

PRELIMINARY

Main features

- X band
- 3D AESA with Digital Beamforming stacked beam antenna
- Multi-function with adaptive resource management capability
- Modular and scalable design
- 600+ simultaneous target tracking capacity
- Automatic geo-referencing and orientation
- H24 all-weather operation
- Fast deployment or fixed installation versions
- Portable operator terminals
- Flexible interfaces for custom integration (weapon systems, datalinks, C3 software, etc.)
- Optional IFF

Coverage:

- Azimuth: 360°
- Elevation >70°
- 7.5 to 60 RPM

Accuracy:

- Range: 10m
- Azimuth: <0.2°
- Elevation: <0.4°

Antenna dimensions:

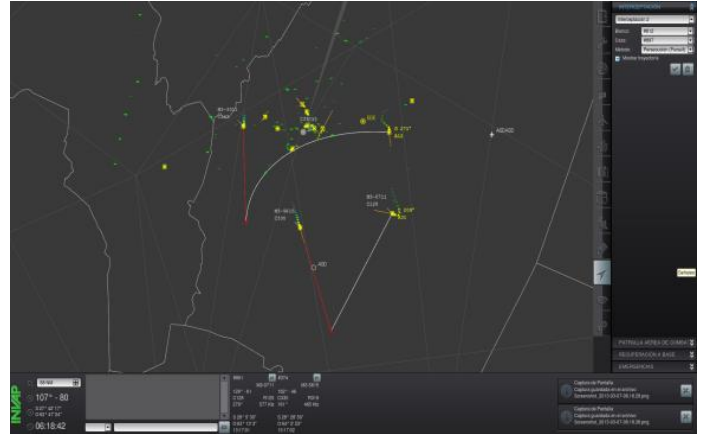
- Weight < 250 kg
- Width: 1 m
- Height: 0,5 m

IFF (optional):

- Instrumented range: 200km
- Modes: 1, 2, 3/A, C, S

Power supply:

- Mains or generator: 110-240VAC 50-400Hz
- Power consumption < 3 kW



PRELIMINARY

Detection Ranges

Scan rate	7.5 RPM	15RPM	30RPM	60RPM
Airliner (100m2)	189km	154km	134km	122km
Medium aircraft	112km	103km	82km	71km
Small aircraft (1m2)	67km	60km	47km	41km
Drone (0,1m2)	40km	33km	27km	23km





INVAP's headquarters are located in San Carlos de Bariloche at the foot of the Patagonian Andes. The company has offices in several cities throughout Argentina and operates in various countries.

INVAP's Headquarters

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