

WARTA

MOBILE 3D LONG RANGE RADAR



ADVANTAGES:

Instrumental range up to 470 km	Enhanced detection in clutter
Solid state radar, Adaptive Digital Beam Forming	Effective correlation of primary and secondary plots
High mobility and short deployment time	Can be controlled through the local or remote consoles
Ability of detection of low altitude flying targets	Ability of processing of high level classified information (up to NATO SECRET)
Jamming-resistant performance	

WARTA is a L-band solid-state phased array, 3D surveillance radar. The radar meets technical requirements of the current NATO Deployable Air Defence Radar (DADR) specifications.

WARTA uses mechanical rotation of the antenna in azimuth and multiple simultaneous phase controlled in elevation beams to provide altitude scanning. Solid state distributed transmitter, unique waveform and advanced signal processing technology.

The effective operation of the radar in the presence of jamming is achieved by very low sidelobe antenna, reduced peak power, frequency agility, adaptive signal processing and advanced radar resources management techniques.

WARTA can be controlled through the local radar console or through a remote console. Tracks of detected targets are automatically tracked. RIS-formatted Plots for all detected objects or merely for objects being traced are automatically transferred to the SRCC NATO Re-mote Control Console or to the National Supervisory System.

SPECIFICATION:

Operating frequency	L band
Antenna	Solid state
Instrumented range	470 km
Elevation coverage	30 500 m (100 065 ft)
Azimuth coverage	360°
Information refreshing time	5 s, 10 s
Communication and data exchange system	ASTERIX, user defined
IFF System	Mode 3/A, C and S, NATO SM (1, 2, 5)



NCBR

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