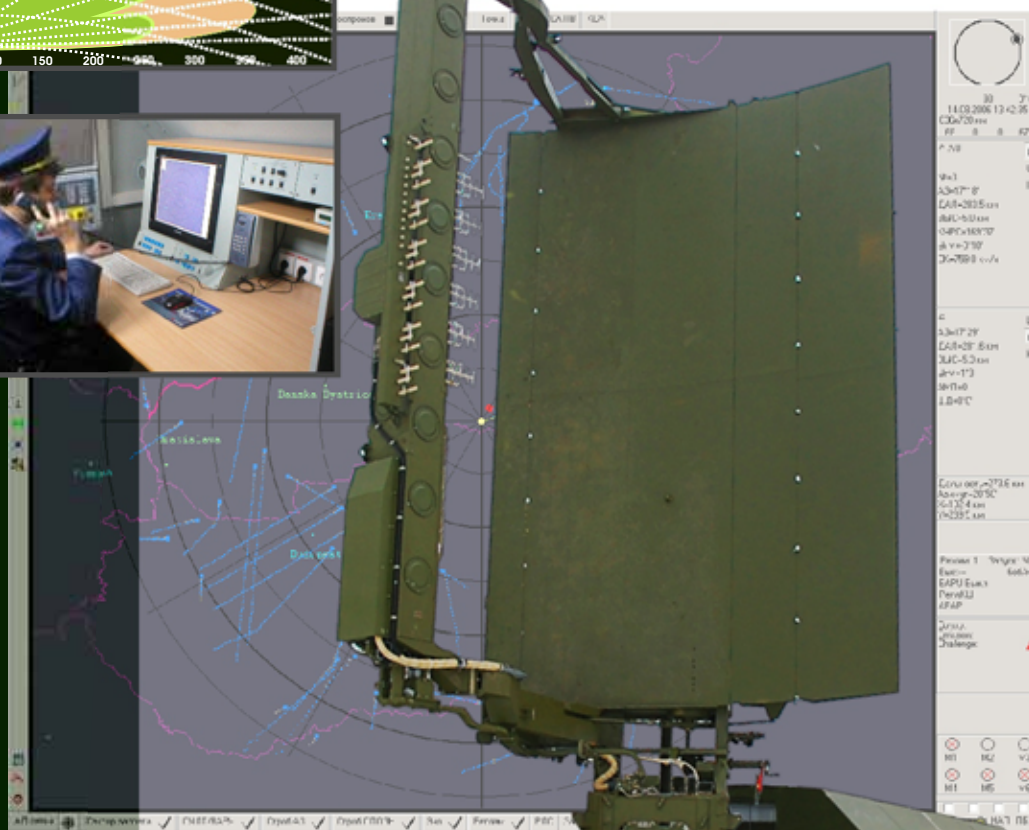
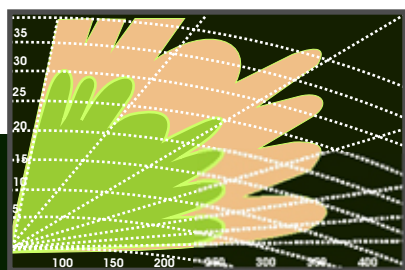




З6Д6-М1

MOBILE 3D AIR SPACE
SURVEILLANCE RADAR



MOBILE 3D AIR SPACE SURVEILLANCE RADAR

З6Д6-М1

36D6-M1



The mobile 3D air space surveillance Radar 36D6-M1 is designed to be used as a part of modern automated Air Defence systems, Anti-Aircraft Missile Complexes and to detect low flying air targets under active and passive jamming as well as for Air Traffic Control in both military and civil role.

Main advantages of 36D6-M1 Radar:

- High probability of detection of small air targets, hovered helicopters including targets slowly moving tangentially to the radar
- Extremely accurate positional information
- Exceptional interference immunity against any jammers
- Capability of jamming station direction finding
- Automatic association of echo-signals with return signals of the built-in IFF equipment
- Capability to represent radar information and targeting over narrowband communication channels
- High reliability
- High mobility
- Extreme stability of transmitter with true coherency

36D6-M1 Radar provides primary surveillance of air space, identification, selection of the most foreground target, automatic tracking and targeting to AD Control Post of aviation or AAMC, can operate as stand-alone control post.

BASIC TECHNICAL DATA OF 36D6-M RADAR

BASIC TECHNICAL DATA OF 36D6-M1 RADAR

Operation band ----- S
 Instrumented range ----- 90,180,360 km
 Detection range for low flying targets: RCS -1 m²
 at flight altitude 50 m ----- 31 km
 at flight altitude 100 m ----- 42 km
 at flight altitude 1000 m ----- 110 -115 km
 RCS - 0.1 m² (cruise missile) at flight altitude 50 m ----- 27 km
 Azimuth coverage ----- 360°
 Elevation coverage ----- 0.5°...30°
 RPM ----- 6 and 12 rev/min
 Suppression factor ----- >48 dB
 Accuracy:
 range ----- 50 m
 azimuth ----- 0.2°
 altitude ----- 400 m
 Resolution:
 range ----- 300 m/at range of 90 km
 azimuth ----- 3,5°
 Track capability ----- >200 tracks
 Environmental conditions:
 temperature ----- -40°C...+50°C
 humidity ----- 98%
 height ----- 3000 m
 MTBF ----- >800 hours
 MTTR ----- <30 min



MOBILE 3D AIR SPACE SURVEILLANCE
RADAR 36D6-M1

TRANSPORTATION BASE AND OVERALL CHARACTERISTICS OF 36D6-M1

Description	Dimension, mm			Weight, t	Transport vehicle
	Length	Width	Height ^a		
Radar					
Power station	13830	2890	3350	20	KpA3-6446
	9040	2870	3300	10,8	KpA3-6322