



# 80K6M

MOBILE 3D AIR SURVEILLANCE  
RADAR



**UKROBORONPROM**  
Ukrainian Defence Industry

STATE ENTERPRISE «SCIENTIFIC  
AND PRODUCTION COMPLEX

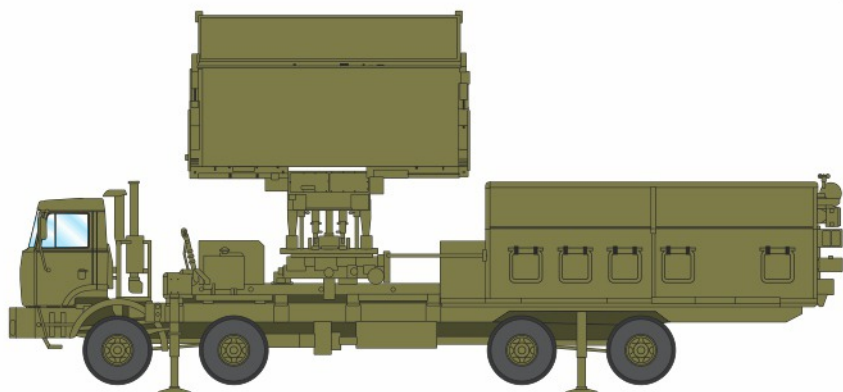
«ISKRA»

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## MOBILE 3D AIR SURVEILLANCE RADAR

Mobile Radar 80K6M designed to be used as a part of radio and anti-aircraft missile troops, to issue targeting to the anti-aircraft missile troops.

### MAIN SPECIFICATIONS



#### THE RADAR SYSTEM PROVIDES:

- detection, air objects three-coordinates and Doppler velocity measurement, air objects tracking;
- recognition of the aircraft IFF equipment;
- calculation of elevation and azimuth bearing at active jamming stations;
- data issuing to the radar workstations and the integrated systems.

Q-ty of elevation scanning modes	2
Time of mode switch-over, not more, sec	0.1
Elevation coverage area, deg	
■ in mode 1	0...35
■ in mode 2	0...55
Frequency q-ty	6
Clutter suppression, dB	> 50
Beam shaping method	digital
Detection range of aircraft with RCS 3-5m <sup>2</sup> , km (Probability of true detection P=0.8 and probability of false detection F=10 <sup>-6</sup> )	
■ at flight altitude 10 km	200
■ at flight altitude 100 m	40
Mean square error of coordinate calculation under no man-made jamming:	
■ in range, m	100
■ in azimuth, min	20
■ in altitude, within range up to 100 km, m:	
■ in mode 1	300
■ in mode 2	400



Operation band

S



Scanning rate, sec

5, 10



Indicator range, km

400



Q-ty of antenna beams

12



Number of transport units

1



Band of operating temperature, C

-40...+50



Deployment time, min

6



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