

1. Features

Transceiver	
Type	<ul style="list-style-type: none"> Magnetron transmitter with the solid-state modulator
Nominal output power	<ul style="list-style-type: none"> 25KW
Transmitter frequency	<ul style="list-style-type: none"> 9375MHz (X-Band)
Pulses parameters	<ul style="list-style-type: none"> 1 Subband (programmable) 50-150 nS with repetition 2,7-3,2 KHz 2 Subband (programmable) 320-640 nS with repetition 1,3-1,6 KHz 3 Subband (programmable) 700-900 nS with repetition 0,8-1,0 KHz 4 Subband (programmable) 1,0-1,2 uS with repetition 0,5-0,7 KHz
Blanking sectors	<ul style="list-style-type: none"> 3 sectors, optional to 10 sectors
Receiver	
Type	<ul style="list-style-type: none"> Logarithmic, fully solid state
Dynamic Range	<ul style="list-style-type: none"> 100dB without STC, \geq 115dB with STC
IF	<ul style="list-style-type: none"> 60 MHz
Noise Factor	<ul style="list-style-type: none"> \leq 3dB
Frequency Control	<ul style="list-style-type: none"> Manual and Automatic
Antenna	
Type	<ul style="list-style-type: none"> Slotted Array, 15ft
Rotation speed	<ul style="list-style-type: none"> 10-22 (programmable), optional 60 rpm
Pulses per revolution	<ul style="list-style-type: none"> 2048/4096/8192/16384 ACPs +1ARP
Electrical Motor	<ul style="list-style-type: none"> 0,75 – 1,5 KW with frequency Control
Tolerable relative wind speed	<ul style="list-style-type: none"> 100 Kts (with antenna up to 15 ft)
Interface	<ul style="list-style-type: none"> RS-422, Ethernet
Environmental Conditions	
Operative temperature	<ul style="list-style-type: none"> From -25° to +80°
Relative humidity	<ul style="list-style-type: none"> up to 90% at +40°C
Power supply	
Antenna	<ul style="list-style-type: none"> 1,1KW AC 220V, optional DC 24V
Transceiver	<ul style="list-style-type: none"> -350W AC 220V, optional DC 24V

2. Radar system (sample)



3. Radar processing (testing image)



4. Short description

Small-sized radar designed for installation on various vehicles. This option involves the organization of mobile complexes to solve the tasks of the border service.

It can be installed on boats and ships.

5. Contact

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