

CSR237-8500C

Product overview

The CSR237-8500C radar mainly consists of one radar array and one power adapter. It uses MIMO and DBF technology to effectively remove false alarm clutter. The product is mainly used for monitoring the detection, warning, and target indication of ships in coastal and inland areas, and can accurately provide target trajectory information.

Product features

- Real time monitoring: Monitor the surrounding environment, promptly detect and respond to abnormal situations
- Strong fast target monitoring capability: high data refresh rate, able to continuously and stably track rapidly moving targets
- Wide coverage: It can cover large areas, and multiple radars can also be connected in series to further expand the monitoring range and achieve seamless supervision in coastal and inland areas
- Easy to install: Can be completed using lamp poles or original infrastructure
- Strong adaptability to the environment: possessing the ability to work 24/7 and adapt to harsh environments such as night, rain, snow, haze, and dust



Products parameter

Working system	Phased Array System (azimuth scanning+elevation scanning)/Pulse Doppler
Working band	C Band
Range of Radar	8.5km
Effective detection range	100m~8km (Ships)
Azimuth coverage	$\geq 90^\circ$
Elevation coverage	$\geq 9^\circ$
Detection speed	0.5m/s~30m/s
Azimuth accuracy	$\leq 1.0^\circ$
Distance accuracy	$\leq 10\text{m}$
Data rate	$\geq 2\text{Hz}$
Data interface	RJ45/1 1CH Ethernet 10/100M port
Input power	$\leq 65\text{W}$ (power dissipation) AC200-AC240(input)
Working temperature	$-40^\circ\text{C} \sim +55^\circ\text{C}$
Weight (N.W)	$\leq 5.5\text{kg}$

Product dimension

