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<https://infiwave.nt-rt.ru> || iyn@nt-rt.ru

Прибрежный и морской радар наблюдения Infiwave S30-C



Infiwave S30-C is a Ku-band pulse doppler radar specially used in coastal and maritime surveillance. It has the ability to perform large-area, long-lasting, high-density search and monitoring of marine targets and instantaneous multi-target tracking. It uses a customized AI algorithm, not only it can monitor and classify large, medium and small ships in the sea, and can effectively warn low-altitude drone intrusion. It has many advantages such as high detection accuracy, wide coverage, high installation flexibility, all-day and all-weather work.

Features of Infiwave S30-C Coastal & Maritime Surveillance Radar

- AI intelligence: Electronic phase scanning, autonomous positioning and orientation, ground and low-altitude target classification, excellent ground clutter suppression signal processing algorithm
- Small target detection: Phased array rapid scanning, high data refresh rate, minimum detection speed 0.2m/s, effective identification and detection of low, small and slow targets
- Multi-target processing: Active phased array system, with 0~256 batches of multi-target tracking capabilities (optional processor to enhance target tracking capabilities)
- High precision: Distance accuracy is 3 meters, distance resolution is 10 meters; angle measurement accuracy is 0.3°/0.5°, azimuth resolution is 3°
- Environmental adaptability: Fully sealed design, excellent performance such as wind resistance, salt spray resistance, rain resistance, damp heat resistance, high reliability, and maintenance-free
- Easy to deploy: Using Ethernet communication interface, integrated design, easy to deploy, simple to configure, and easy to operate

- Integration can be installed separately or integrated with multiple devices, supporting compatibility to various security monitoring platforms and alarm platforms





Specifications of Infiwave S30-C Coastal & Maritime Surveillance Radar

Product type		Infiwave S30-C
Operating Frequency		Ku
Power Transmitted		10W
Azimuth Range		±45°
Pitch Range		8° m)
Velocity Measurement Range		0.2m/s-80m/s r)
Min.Operating Distance		90m
Distance Precision		3m
Azimuth Angular Precision		0.3° or 0.5°(optional)
Typical Target Detection Range	UAV (RCS 0.0 ₁ m ²)	3km
	Walking person (RCS 0.5 m ²)	7km
	Small vessel (RCS 4 m ²)	15km
	Middle vessel (RCS 2 ₀ m ²)	20km
	m ²	30km o)
Velocity Resolution		0.2m/s
Distance Resolution		10m
Azimuth resolution		3°
Data Refreshing Rate		>10Hz
Power Supply		AC 220V±22V, 50Hz±5Hz Storage battery: DC24V±2.4V

Overall Product Weight (kg)	< 150
Dimension (mm)	575mm×282mm×84.5mm
Support (/product-support-center.html)	Contact Us (/contact/)
Weight (kg)	15kg
Ingress protection	IP66
Online Store (https://iraytek.en.alibaba.com/?spm=a2700.details.c)	Communication Interface
Operating Temperature Range	-40°C ~ +65°C

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