



RC RACON

RC Racon is a new generation X & S band frequency agile Racon that incorporates the latest technology, such as Side Lobe Suppression (SLS) and many advanced modules. RC Racon is a receiver / transmitter device that enhance the detection and identification of certain radar echo and provide reliable, all-weather guidance to the mariner such as range bearing and leading line etc.

FEATURES:

- High transmit power, greater receive sensitivity gives long service range.
- Dual token (frequency-pulse width), Side Lobe Suppression (SLS).
- Precise measuring main lobe of radar antenna, gives leading line of objects.
- Built-out adjusting the codes, variable code's length with radar pulse width.
- Extremely low power consumption.
- Light weight for easy installation.
- Can monitor, control and programming using communication port.



Frequency	X: 9300~9500MHz S: 2900~3100MHZ	<p>APPLICATIONS:</p> <ul style="list-style-type: none"> * Turning point of channel. * Separation zone or line. * Isolated dangers and precautionary warning areas. * Landfall identification. * Indicating navigable spans under bridges. * Leading Mark. <p>OPTIONS:</p> <ul style="list-style-type: none"> * Service range: short or long range. * Azimuth response: 60°, 90°, 180° and 360° (only X band). * Leading line: yes or no.
Frequency Precision	±1MHz, pulse width ≥0.2μs ±2MHz, 0.08μs < pulse width < 0.2μs	
Output Power	1W	
Response Delay	≤0.5μs	
Receiver Sensitivity	X: -40dBm S: -35dBm	
Polarization	X: Horizontal S: Horizontal & Vertical	
Max. Response Rate	10 kHz	
Antenna Gain	X: 5dB S: 2dB	
Response codes	26 Morse codes	
programmable time	work time 7~60secs, sleep time 0~60secs	
protector	prevent the shock and lightning	
IP grade	IP67	
Serial Port	For monitoring system	
Input Voltage	DC12V (9~24V or 9~36V)	
Average Power consumption	3W. Based on traffic condition	
Operation Temperature	-40 ~ +70 °C	
Dimension	Φ360mm×620mm	
Installing Dimension	4-M10 on 240-PCD	
Weight	≤15kg	