



RSB-1004 XBand 4kw

Specification

1. Antenna

Antenna Model	RSB-1004
Antenna Length	58CM
Beam Width(Horizontal)	4degrees
Beam Width(Vertical)	25degrees
Antenna Rotation	24 Rotations/Minute

2. Transmitter

- a. Frequency: 9410MHz $\pm$ 30MHz(X Band)
- b. Output Power: 4KW
- c. Pulse Width&Pulse Repetition Frequency

Range(nm)	Pulse Width (us)	Pulse Repetition Frequency (Hz)
0.125/0.25/0.5/0.75/1	0.08	2200
1.5	0.08	2200
	0.3	1200
2	0.3	1200
3	0.3	1200
	0.8	600
4/6/8/12/16/24/32/36/48/64/72	0.8	600

3. Receiver

- a. Microwave Front End: MIC
- b. Noise Factor: 8db
- c. Medium Frequency: 60MHz
- d. Band Width: Pulse Width---0.08us/0.3us
Bandwidth---25MHz/5MHz

4. Interface

- a. GPS Data Format: NMEA0183/IEC61162_1
- b. AIS Data Format: IEC61162_2
- c. Heading Data Format: IEC61162_2
- d. Log Data Format: IEC61162_1
- e. Split Display: VGA Port

5. Power

- a. Rated Direct Voltage: DC 24V
- b. Voltage Range: DC 10.2V-40.0V
- c. Whole Machine Working Current: 2.6A(24V DC)

Advanced Signal Processing

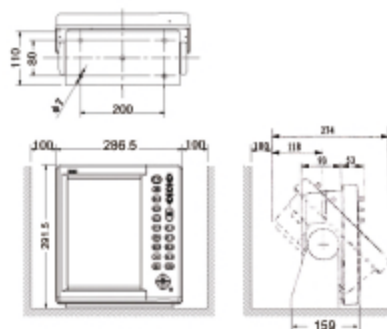
Even during rainfalls or severe weather conditions, radar echoes are clearly displayed, and unnecessary echoes can be removed instantly with ease.

Reduction of unwanted echoes due to rain, waves and snow while ship echoes are strengthened.

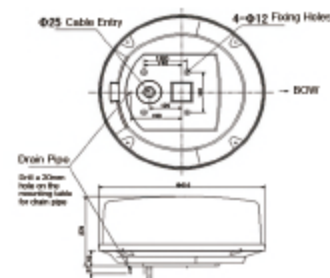
One-touch auto-adjust settings for Gain/Sea clutter/Rain clutter.

Dimensions

Display unit



Antenna unit



Interconnection Diagram

