

12 inch LED Display Radar



- Image is stable and flicker-free; Clear and full echo in all ranges;
- Using multi-function microprocessor and super large scale integrated circuit, high integration and high reliability;
- Chinese/English, marine/river switching, convenient for users to use
- Connect to AIS (Automatic Identification System), display AIS data;
- With EPA function capable of plotting 10 targets;
- Target tracking (TT) function capable of enrolling 20 targets;
- AIS/TT target-tracking with zoom display function.

SY1204MK2 / SY1206MK2 / SY1210MK2 / SY1206RMK2



SY1204MK2: RSB-1004 XBand 4kw



SY1206MK2: RSB-0024 XBand 6kw
RSB-0070 XBand 6kw

SY1206RMK2: RSB-0023 XBand 4kw
SY1210MK2: RSB-0025 XBand 12kw

Specification

1. Beam Width

Antenna Model	XA120	XA180
Antenna Length	120CM	180CM
Beam Width(Horizontal)	1.9degrees	1.3degrees
Beam Width(Vertical)	22degrees	22degrees

Antenna Rotation: 24 Rotations/Minute

2. Transmitter

- Frequency: 9410MHz $\pm$ 30MHz(X Band)
- Output Power: SY1204MK2: 4KW SY1206MK2: 6KW
SY1210MK2: 12KW SY1206RMK2: 4KW
- 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
4/6/12/16/24/32/36/48/64	0.8	600

3. Receiver

- Microwave Front End: MIC
- Noise Factor: 6db
- Medium Frequency: 60MHz
- Band Width: Pulse Width---0.08us/0.3us/0.8us
Bandwidth---25MHz/3MHz

4. Interface

- GPS Data Format: NMEA0183/IEC61162_1
- AIS Data Format: IEC61162_2
- Heading Data Format: IEC61162_1/IEC61162_2
- Log Data Format: IEC61162_1
- Split Display: VGA Port

5. Power

- Rated Direct Voltage: DC 24V
- Voltage Range: DC 18.0V-34.0V
- Whole Machine Working Current: SY1204MK2: 2A(24V)
SY1206MK2: 2.7A(24V)
SY1210MK2: 3.2A(24V)
SY1210MK2: 2.2A(24V)

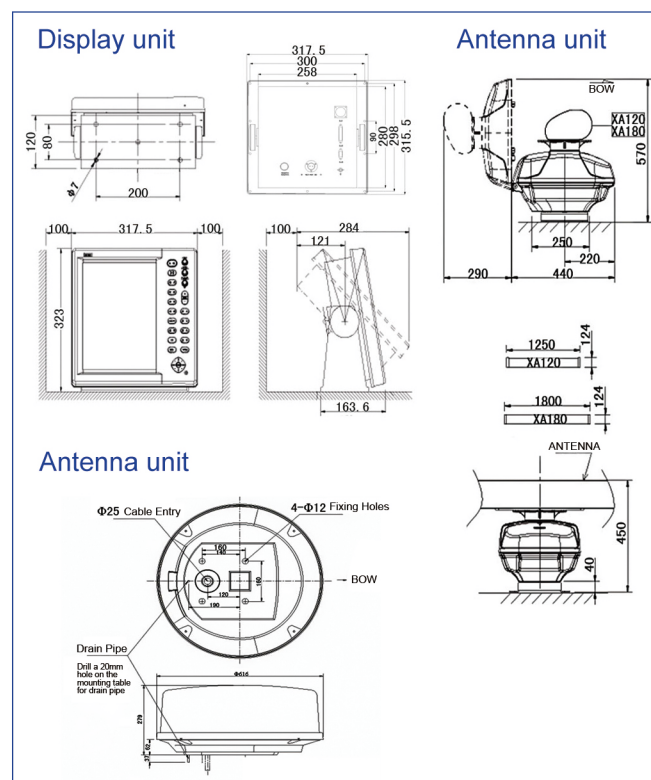
Advanced Signal Processing

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



Interconnection diagram

