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6 Best Marine Radars – Track Every Object And Maneuver At Close Range! (Fall 2022)

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While every boater heads out for a relaxing day on the water hoping for sunny skies and clear weather, that's not always what you get. When fog rolls in and visibility drops, it's important to have a marine radar on your boat. The best marine radar alerts you to other boats in the area and obstacles like buoys so that you can safely navigate even when you can't see more than a few yards beyond your boat. A boat radar is also essential if you find yourself sailing in close proximity to other ships.

There are a lot of factors to consider when choosing the best marine radar, which is why we're here to help you find the best one. We looked at specifications like beam width and maximum range, which together determine your radar's field of view and how early you will be alerted to potential hazards. We also looked at a rotation speed, which impacts how quickly the radar will update in any direction. Finally, we considered factors like power consumption, weight, and waterproofing. We compiled a list of top 6 picks, and the **Garmin Gmr 18HD+ Radome** turned out to be the best of them.

Quick Summary

- **Editor's Choice:** [Garmin Gmr 18HD+ Radome](#)
  "If you are looking for a high-resolution radar with immense transmission power, then this is your choice. This radar is simple to install, and it has MARPA target tracking and guard zone alarm."

- **Best Radar for Close-Range Detection:** [FLIR Raymarine Quantum 2](#)
  "This radar is quite impressive for its 6 meters detection range. It also outmatches other competitors on the market because it is easy to mount, and it allows you to navigate with zero visibility."

- **Budget Pick:** [Furuno DRS4W](#)
  "Budget-friendly marine radar for your vessel with decent parameters that shows great navigation performance. The unit has 4 kW transmission power. Moreover it is lightweight and compact."

- **Best Marine Radar for Small Boats:** [Simrad Broadband 3G Radar](#)
  "Any fisher with a small vessel will benefit from having this marine radar because it has close range of detection, low energy consumption, MARPA tracking and instant activation from standby mode."
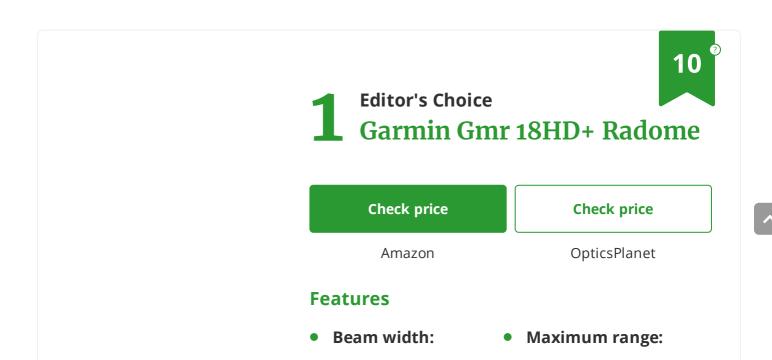
- **Customer's Choice:** [Lowrance 3G Broadband Radar](#)
  "Perfect marine radar that offers low power consumption, auto mode switching and MARPA system. This device is popular for its reliability what makes it an amazing pick for every sailor."

- **Upgraded Pick:** [Lowrance 4G Broadband Radar](#)
  "To get more power, accuracy and signal distance, you must consider this option. The upgraded version of Lowrance 3G Broadband, this radar tracks up to 10 targets with MARPA system and has excellent resolution."

Top 6 Marine Radars Review 2022

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1 Editor's Choice
Garmin Gmr 18HD+ Radome

Check price	Check price
Amazon	OpticsPlanet

Features

- **Beam width:**
- **Maximum range:**

5.2° 36 nm

- **Minimum range:**
  20 meters
- **Rotation speed:**
  24 rpm
- **Waterproof rating:**
  IPX7

- **Power consumption:**
  30 W
- **Weight:**
  17 lbs

More features: 4 kW transmit power, high resolution, guard zone alarm, clear echo definition, dynamic auto gain, easy to install, MARPA target tracking when combined with a multi-function display

This marine radar system from Garmin offers an incredible value for its rich feature set. To start, this radar offers 4 kW of transmission power, which gives it a range of up to 36 nautical miles. The minimum range is also impressive, at just 20 meters from your ship.

Better yet, if you have a multi-function display on your ship, you can activate MARPA tracking to stay abreast of movements in other ships around you. Helpfully, Garmin designed this unit to be compatible with a number of the company's chartplotters, so you don't need to overhaul your ship's electronics to use it.

Resolution is another strong suit of this radar system. With a relatively tight 5.2° beam and dynamic auto gain, you can pick out ships and smaller objects on the radar display.

The only downside to this unit is that the power consumption is quite significant at 30 watts.

Why is it special?
- 4 kW of transmission power
- High resolution
- MARPA tracking
- Excellent value