A vital surveillance link in your onboard Garmin Marine Network™, these X-band digital color radars combine power, range and high-definition targeting with the ultimate in plug-and-play connectivity. Unlike competitive designs, which require a dedicated display/processor unit, all Garmin radar processing is contained in the remote antenna/scanner. The result: greater efficiency and redundancy, since any chartplotter on the network can display and control the radar. The GMR 20 is a 2 kW radar with 24 nm range. The GMR 40 offers 4 kW output and a 36 nm range. Both units feature sleek, 28-inch low-profile radomes with a beamwidth of 3.6° for the clearest target definition at all ranges and in all weather conditions.

Steering clear of trouble just got easier.
With a narrower beamwidth (3.6°) than other radars in its class, the Garmin GMR 20/40 series offers more precise definition of targets.

As an aid in locational awareness, the GMR 20/40 radar image can be overlaid on the moving map cartography display.

The screen can be split to show overlay and standard radar simultaneously.

**Weight:** Dome: 26 lbs; cable: 8.4 lbs

**Physical Size:** 28" diameter, 8" high

**Transmit Power:** 2KW (GMR20), 4KW (GMR40)

**Power input:** 10-35 Vdc, 25W

**Antenna Beamwidth:** 3.6 degrees horizontal / 25 degrees vertical

**Antenna RPMs:** 24 rpm

**Scanner Operating Temperature:** Range: -15 degrees C to 70 degrees C, and a relative humidity up to 95% at 35 degrees C

**Wind Velocity (relative):** Withstands up to 100 Kts without performance degradation

**Scanner Waterproofing:** Waterproof to IEC 60529 IPX7 standards

**Bearing Accuracy:** 1 degree

**Maximum Range:** 24 nm (GMR 20) 36nm (GMR 40)

**Minimum Range:** 20 meters

**Range Discrimination:** 20 meters

**Range Ring Accuracy:** 20 meter or +/- 1.5% of range scale, whichever is greater

**Controls:** Auto & Manual Gain Adjust; Manual or Auto (AFC) receiver tuning; Manual adjust for Rain Clutter and 3 presets for Sea Clutter.

- **VRM/EBL:** 2 user adjustable, capable of floating
- **Presentation Modes:** North up, Course up, Heading up
- **Interference Rejection:** Yes - Anti-jamming algorithm
- **Radar/Chart Overlay:** Overlay mode is supported. Users can view "radar only" split the display for multiple view of radar and charting overlays.
- **Zoom Mode:** 2x, 4x
- **Trails:** Short, Medium, Long
- **Guard Zone Alarm:** 2 guard zones - user adjustable
- **Off center Function:** Look ahead, Auto Shift and Manual
- **FTC:** Low, Medium, High
- **MARPA:** Yes. Tracks up to 10 MARPA targets for radar plotting and collision avoidance. (Heading sensor is required)