

## **GMR 1236 xHD3 6' Open Array Radar Pedestal - 12kW**

### **SCAN WITH THE MAGNETRON POWER OF GARMIN OPEN-ARRAY RADAR**

Combining high-definition imaging with the latest Garmin platform technology, this robust 6' open-array radar offer superior weather, obstacle and traffic detection for mariners cruising or fishing offshore.

- Up to 96-nautical mile range
- Scan Averaging Technology
- Improved Target-Size Processing
- Split-Screen Dual-Range Display
- 100-Knot Commercial Grade Wind Rating1
- Quiet Open-Array Drive Motor

### **New Scan Averaging Technology**

A first for Garmin magnetron radar, scan averaging helps filter out sea clutter and interference to enhance the detection and display of consistent targets.

### **Angular Target-Size Adjustment**

Pulse expansion and angular target-size processing techniques optimize on-screen object shapes for better interpretation at all range scales.

### **True Echo Trails**

A historical “trail” of boats on the water is displayed on the screen, removing relative motion influence to help you quickly identify moving targets and potential collision threats.

### **Dual Range with Overlay**

A single radar antenna is capable of providing split-screen, side-by-side images on your compatible chartplotter, with independent range setting and controls for both close and long range. Overlay either or both ranges on a chart.

### **Dynamic Auto Gain**

Gain automatically adjusts levels to optimum settings for harbors, near shore and

offshore in open waters.

### **Radar Overlay**

See overlaid images on your chartplotter's map screen (with appropriate sensors, sold separately).

### **High-Resolution Radar**

Pick out targets at a distance, thanks to narrow horizontal beamwidth and high antenna gain.

### **Dual-Radar Support**

This provides redundancy and allows each display unit to pull data from different sources.

### **Dynamic Sea Filter**

Radar gain automatically adjusts sea clutter for calm, medium and rough sea conditions.

### **Auto Bird Gain**

Locate flocks of birds at the water's surface where baitfish are also likely to be found.

### **MARPA Target Tracking**

Track up to 30 targets to help avoid collisions (with appropriate sensors, sold separately).

### **Guard Zone**

Set the safety zone, and receive an alarm when an object enters the zone.

### **Range and Bearing Cues**

Variable range markers and electronic bearing lines allow rapid measurements of distance and bearing to vessels and land.

**Includes:**

- GMR xHD3 12 kW open array radar with 6' antenna
- Power cable (15 m/49.21 ft)
- Network cable (15 m/49.21 ft)
- Mounting hardware kit and template
- Installation instructions

**Dimensions:**

- 6' array - 1938 x 122 x 170 mm / 76.5" x 4.8" x 6.7"
- Pedestal: 520 x 328 x 314 mm / 20.5" x 12.9" x 12.4"

**Weight:**

- 6' array and pedestal - 29.7 kg


**Specifications:**

- Waterproof: IPX6
- Max Wind Load: 80KT (100KT with optional voltage converter upgrade)
- Antenna length: 72 in. (183 CM)
- Rotation Speed (RPM): 24 and 48 RPM
- Beam Width: 1.1° horizontal, 23° vertical
- Maximum Range: 96 nautical miles
- Minimum Range: 20 meters
- Radar Type: Open-array

**Electrical Features:**

- Power Input: 10-32 V DC
- Power Consumption (Standby): 18 W
- Typical Power Consumption, Transmitting (Normal mode): 70 W
- Transmit Power: 12 kW

14-kW versions require optional equipment (sold separately) for 100-knot wind rating

 **WARNING:** This product can expose you to chemicals including NICKEL (METALLIC) which is known to the State of California to cause cancer. For more information go to [P65Warnings.ca.gov](https://P65Warnings.ca.gov).