# Product Specifications Garmin GPSMAP 8422

## General

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|---|---|
| PHYSICAL DIMENSIONS | 20.8" x 13.8" x 2.8" (52.8 cm x 35.1 cm x 7.1 cm) |
| DISPLAY SIZE | 18.8" x 10.6"; 21.5" diagonal<br>(47.8 x 27.0 cm; 54.6 cm diagonal) |
| DISPLAY RESOLUTION | 1920 x 1080 pixels |
| DISPLAY TYPE | Touchscreen IPS display (anti-glare finish) |
| WEIGHT | 15.63 lbs (7.09 kg) |
| [WATER RATING](#) | IPX7 |
| MOUNTING OPTIONS | Flush or Flat |
| POWER CONSUMPTION | Max power usage at 10 Vdc: 59 W<br>Typical current draw at 12 Vdc: 3.9 A<br>Max current draw at 12 Vdc: 4.9 A |
| ANTENNA | External only |
| RECEIVER | 10 Hz high-sensitivity |
| GARMIN MARINE NETWORK™ PORTS | 4 |

## Maps & Memory

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|---|---|
| PRELOADED MAPS | None |
| ACCEPTS DATA CARDS | 2 SD Cards (with Garmin SD card reader accesory) |
| WAYPOINTS | 5,000 |
| TRACK LOG | 50,000 points; 50 saved tracks, with 5000 points each |
| ROUTES | 100 (250 waypoints each) |

## Outdoor Recreation

| | |
|---|---|
| TIDE TABLES | |

## Chartplotter Features

| | |
|---|---|
| GARMIN RADAR COMPATIBLE | Yes |
| GARMIN SONAR COMPATIBLE | Yes |
| GARMIN SMARTMODE COMPATIBLE (CUSTOMIZABLE MONITOR PRESETS) | Yes |

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|---|---|
| SUPPORTS AIS (TRACKS TARGET SHIPS POSITION) | Yes |
| SUPPORTS DSC (DISPLAYS POSITION DATA FROM DSC-CAPABLE VHF RADIO) | Yes |
| GARMIN METEOR™ AUDIO SYSTEM COMPATIBLE | Yes |
| SUPPORTS FUSION-LINK™ COMPATIBLE RADIOS | Yes |
| GSD™ BLACK BOX SONAR SUPPORT | Yes |
| GCV™ BLACK BOX SONAR SUPPORT | Yes |
| ACTIVECAPTAIN COMPATIBLE | Yes |
| GRID™ (GARMIN REMOTE INPUT DEVICE) COMPATIBLE | Yes |

## Sonar Features & Specifications

| | |
|---|---|
| DUAL-FREQUENCY (50/200 KHZ) SONAR CAPABLE | Yes (with external black box, sold separately) |
| DUAL-BEAM (77/200 KHZ) SONAR CAPABLE | Yes (with external black box, sold separately) |
| CHIRP SONAR TECHNOLOGY | Yes (with external black box, sold separately) |
| CLEARVÜ | Yes (with GCV™ black box, sold separately) |
| SIDEVÜ | Yes (with GCV™ black box, sold separately) |

## Connections

| | |
|---|---|
| NMEA 2000® COMPATIBLE | Yes |
| NMEA 0183 INPUT PORTS | 4 |
| NMEA 0183 OUTPUT PORTS | 2 |
| VIDEO INPUT PORTS | 1 - BNC composite<br>1 - HDMI (HDCP compliant) |
| VIDEO OUTPUT PORTS | 1 - HDMI |
| WIRELESS CONNECTIVITY | Yes |

## Additional

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|---|---|
| ADDITIONAL | Additional connections:<br>• NMEA 2000 port: 1<br>• USB port: 1<br>• J1939 port: 1<br>HDMI and composite video inputs are encoded and shared across the Garmin Marine Network to other comaptible chartplotters. |