

Raymarine®



AXIOM+

HIGH-PERFORMANCE MULTIFUNCTION NAVIGATION DISPLAYS

The performance-tuned Axiom® Plus is a new generation of award-winning Raymarine multifunction displays. Optimized for speed, Axiom Plus is equipped with a powerful quad-core processor for industry-leading responsiveness and speed, giving you the power to seamlessly redraw charts, navigate with augmented reality, and experience RealVision™ 3D sonar. New, higher resolution IPS displays deliver 25 percent more brightness and new day/night color palettes offer enhanced visibility in any lighting condition. Axiom Plus features the renowned LightHouse 3 OS, the most powerful and easy-to-use Raymarine MFD operating system to date.

PERFORMANCE TUNED

Designed for speed, responsiveness, and future expansion.

- Powerful quad-core processor, plus increased onboard storage for personal data and apps
- Fluid and fast chart redraw of new Raymarine LightHouse Charts, plus Navionics and C-MAP
- ClearCruise™ Augmented Reality-capable for smarter navigation decisions
- Smart and intuitive LightHouse 3 OS makes navigating easy

MAXIMUM VISIBILITY

Upgraded IPS display technology delivers charts, sonar, radar, and video in stunning color.

- IPS display technology delivers wider viewing angles and sharp contrast at twice the resolution of traditional displays
- 7-, 9-, and 12-inch all-weather displays are 25 percent brighter (up to 1,800 nits)
- HydroTough™ nano-coated, impact-resistant glass screen repels water, oil, and smudges for better viewing and accurate touch controls
- Improved viewing with new LightHouse 3 color themes, including bright, dark and night mode.

SIMPLY POWERFUL

Better chart plotting, enhanced GPS, and 3D sonar.

- Compatible with built-in RealVision 3D sonar for the most comprehensive view of the underwater world
- Compatible with new Raymarine LightHouse Charts, featuring dynamic viewing options..
- Next-generation, high-performance 10 Hz GPS/GNSS receiver with 4X increased sensitivity for accurate positioning
- Ready to expand and network with multiple Axiom displays, radars, sonar, and more

KEY AXIOM + SPECIFICATIONS

GENERAL SPECIFICATIONS	Axiom+ 7	Axiom+ 9	Axiom+ 12
Display Size	7.0 inch High Density IPS	9.0 inch High Density IPS	12.1 inch High Density IPS
Display Resolution	1024 x 600 (WSVGA)	1280 x 720 (WXGA)	1280 x 800 (WXGA)
Display Type	Multitouch with HydroTough™ rugged hydrophobic coating		
Brightness	1,500 nits	1,500 nits	1,800 nits
Viewing Angle	85° top, bottom, left, right	85° top, bottom, left, right	88° top, bottom, left, right
Dimensions	210 x 142 x 77mm / 7.92" x 5.24" x 3.00"	244 x 158 x 77mm / 9.65" x 6.22" x 3.00"	314 x 217 x 77mm / 12.36" x 8.54" x 3.00"
Weight	3 lbs	5 lbs	6.5 lbs
Mounting	Surface / Flush / Trunnion Bracket (Front installation bracket available)		
Waterproof Rating	IPX6 / IPX7		
Operating Temp	minus 25°C to + 55°C (-13°F to 131°F)		
Storage Temp	minus 30°C to + 70°C (-22°F to 158°F)		
POWER			
Voltage	12V DC (8V to 16V DC)		
Power Consumption (Full brightness)	7.34 Watts. RV Sonar version 9.84 Watts	8.95 Watts. RV Sonar version 11.98 Watts	15.48 Watts. RV Sonar version 19.96 Watts
SENSORS			
GNSS / GPS	Built-in GNSS Receiver: GPS/GLONASS/Galileo/Beidou* - 10Hz 28 Channel *Future software update required		
Sonar Type - Built-in	RV Version equipped with High CHIRP, DownVision, SideVision and RealVision 3D		
Sonar Connections	25pin RealVision™ type connector		
Sonar Depth	High CHIRP Sonar = 900 feet (274 m) DownVision™ = 600 feet (183 m) SideVision™ = 300 feet (91 m) RealVision™ 3D = 300 feet (91 m)		
External Sonar Option	Yes - CP100, CP200, CP370, CP470, CP570, RVX1000 via RayNet		
Radar	Yes - Quantum, Digital, HD Color/Super HD Color and Magnum Radars		
AIS	Yes - NMEA2000 compatible		
Autopilot Control	Yes - Evolution Autopilot		
Thermal Night Vision	Yes FLIR AX8, M232, M300 Series, M400, M500		
Video / Camera	Compatible with CAM210IP, CAM220IP (Up to 10 IP network cameras)		
Weather	GRIB View - Free GRIB viewer and Theyr Ltd Subscription SiriusXM - N. America Only		
Audio	NMEA2000 / Bluetooth speaker controls / Optional SiriusXM Audio		
Digital Switching	Yes - Empirbus & C-Zone compatible		
Remote Control	Yes. Optional RMK-10 (T70293)		
NETWORKING			
Ethernet	1 x 10/100 Mbit/s Network (RayNet)		
NMEA0183	No		
NMEA2000	NMEA2000 via DeviceNet port. SeaTalkng compatible using an optional adapter		
SeaTalkNG	Requires DeviceNet Female (F) adaptor cable (A06079 120mm adaptor included in box)		
USB	1 x USB microAB		
Wi-Fi	WiFi - 802.11 a / b / g / n		
Bluetooth	Bluetooth 4.0		
NAVIGATION			
Cartography	Lighthouse Charts, Navionics, and C-MAP compatible		
Waypoint/Routes/Tracks (Wpts/Rts/Trk)	10,000 wpts / 200 wpt groups / 150 rts - 250 wpt max / 16 tracks - 10,000 max trk pts		
MEMORY			
Internal	16 GB Solid State		
External	1 x microSD card reader		
OTHER			
Languages	24		
Conformances	NMEA 2000 certification Europe: 1999/5/EC Australia and New Zealand: C-Tick, Compliance Level 2 FCC 47CFR part 15 Industry Canada RSS210		

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