



Raymarine's Axiom Pro range of Advanced Multifunction Displays

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Raymarine: Seawork International Press Kit 2018

Press Release #1

Raymarine's Quantum 2 CHIRP Radar Delivers Improved Awareness and Safer Navigation

Seawork International, Mayflower Park, Southampton – Stand Q28

Raymarine, a brand by FLIR Systems, has introduced its most advanced solid-state marine radar, the Quantum® 2 with doppler target identification technology. When integrated with Raymarine's award winning Axiom® multifunction displays, Quantum® 2 enhances boater's situational awareness by intelligently identifying moving and static targets at both long and short ranges.

Using advanced doppler processing, Quantum 2 is tuned specifically to detect the radar echo frequency shift returned by moving versus stationary targets. Quantum 2 uniquely colour codes moving targets to indicate whether they are getting closer (red) or moving away (green).

Advanced users and professional captains will appreciate Quantum 2's 25-target mini-automatic radar plotting aid (MARPA). Developed originally for the United States Coast Guard and other fast response craft, Quantum 2's MARPA feature is fully automatic, meaning inbound contacts can be acquired automatically by the radar display. This eliminates the need to manually acquire targets or define guard zones, thus reducing the workload on captains and eases navigating congested waterways.

Quantum 2 also features CHIRP Pulse Compression technology using compressed, radar pulses to display targets like boats, landmarks, rocks, and weather cells with unsurpassed resolution and separation quality. At only 12.3lbs. (5.6 kg), Quantum 2 weighs up to 50 percent less than traditional magnetron radars. Quantum 2's flexible design allows for Wi-Fi networking to Raymarine multifunction displays (MFDs) or via traditional wired configuration, making installation much easier and eliminating the need for additional radar cabling or interface boxes.

- Quantum 2 is available worldwide through Raymarine's authorized network of dealers and retailers starting at £1,870.83/€ 2,095.00/\$1,949.99 USD.
- Raymarine experts are at Seawork Stand Q28 to answer your questions or demo products within the Raymarine range. For more information, visit www.raymarine.com/quantum2

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Press Release #2

Raymarine's Axiom Pro Advanced Multifunction Displays Deliver High Performance for Professional Captains

Seawork International, Mayflower Park, Southampton – Stand Q28

Raymarine, a brand by FLIR Systems, introduces Axiom® Pro at Seawork International. Forming part of the Raymarine Axiom™ Multifunction Display (MFD) line, Axiom Pro is designed for offshore enthusiasts and professional captains and offers a range of features including Raymarine's HybridTouch™ control, combining multi-touchscreen controls with an ergonomic keypad for additional confidence in rough seas.

The Axiom Pro line is offered in 9-, 12- and 16-inch display sizes, and each model is available with Raymarine's exclusive RealVision 3D sonar. Axiom Pro's fish-finding capability is upgraded with an optional, internal 1kW CHIRP sonar. This powerful offshore sonar employs a wide spectrum of CHIRP sonar frequencies and enables anglers to see through dense schools of baitfish, identify thermoclines and simultaneously target gamefish in deep water.

Engineered to perform in bright sunlight, Axiom Pro displays feature high-definition, In-Plane Switching (IPS) display technology, maximising viewing angles and reducing blackouts when wearing polarised glasses. Powered by Raymarine's new LightHouse 3 operating system and combined with Axiom Pro's fast, quad core processor, Axiom Pro delivers an intuitive and fluid navigation experience through an improved, easily-personalised interface. Axiom Pro's flexible design and LightHouse 3 operating system enables integration with multiple Axiom displays, CHIRP radar, Evolution autopilot and FLIR thermal night vision technology.

Axiom Pro models with RealVision 3D and 1kW CHIRP sonar start at £2,370.83/€2,645/\$2,549.99, excluding tax and are available through FLIR's network of Raymarine dealers.

Raymarine experts are at Seawork Stand Q28 to answer your questions or demo products within the Raymarine range. For more information, please visit www.raymarine.com/axiompro

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Press Release #3

Raymarine Launches its New Flagship Axiom XL Multifunction Displays

Seawork International, Mayflower Park, Southampton – Stand Q28

Raymarine, a brand by FLIR Systems, launches the Axiom™ XL line of multifunction displays (MFDs) at Seawork International. Designed for premium yachts and glass bridge installations, Axiom XL displays offer the largest size in the Axiom family and the superior performance and elegant simplicity that the award-winning Axiom line has delivered since its introduction.

Engineered to perform in extreme marine conditions, the Axiom XL family is fully waterproof and can be installed in both open cockpits and enclosed bridge stations. Each model uses in-plane switching (IPS) and Raymarine's optical bonding display technology to deliver wider viewing angles, sharp contrast, and unmatched readability in bright sun. Available in 16-, 19-, 22- and 24-inch display sizes, Axiom XL's edge-to-edge glass construction gives vessel designers the ability to create a seamless navigation helm.

Axiom XL is a powerful network and video integration platform featuring three Ethernet ports for connecting with network sensors or with additional Axiom, Axiom Pro, and Axiom XL family displays. This simplified integration allows boat designers greater flexibility when creating multi-display and multi-station navigation systems. Axiom XL's native FLIR thermal imaging camera support enhances navigation awareness and safety, while HDMI input enables Axiom XL to serve as a remote touchscreen PC or entertainment display at the helm.

At the heart of each Axiom XL display is a fast quad core processor that supports Raymarine navigation, radar, sonar, and FLIR thermal technology for an all-in-one, full-high-definition (HD) display solution. Powered by Raymarine's LightHouse 3 Operating System, Axiom XL displays offer an elegant, intuitive, uncluttered interface that is fast, fluid, and easily personalized for each captain's navigation style. Captains have the choice of multi-touch screen control or the Raymarine RMK-10 keypad for complete remote system control of multiple Axiom XL displays.

The Axiom XL16 and X19 displays are available to order globally through FLIR's network of marine electronics dealers. The Axiom XL24 will be available in July, followed by Axiom XL22 in September. Pricing for Axiom XL MFDs starts at £5412.50/€ 5,995.00/\$6,799.99 USD.

Raymarine experts are at Seawork Stand Q28 to answer your questions or demo products within the Raymarine range. For more information visit <http://www.raymarine.com/axiomxl>.

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Press Release #4

Raymarine Magnum Marine Radar Brings Superior Target Tracking and Long-Range Identification

Seawork International, Mayflower Park, Southampton – Stand Q28

Raymarine, a brand by FLIR Systems, is debuting its new Magnum™ high-performance open array radar at Seawork International. Featuring superior bird mode and beam sharpening technology, Magnum™ includes many of the same radar technologies trusted by the United States Coast Guard, whilst offering enhanced target tracking, reliable performance, and superior image detail packaged in a sleek open array pedestal built to withstand the harsh marine environment.

Magnum is available in 4 kilowatt (kW) or 12kW power output options, with either a four-foot or six-foot antenna array. Magnum offers a maximum target identification range up to 96 nautical miles (nm) for 12kW models – ideal for blue water vessels - and up to 72nm for 4kW models. The perfect companion to Raymarine's award-winning Axiom® and Axiom Pro multifunction navigation displays (MFD) running LightHouse™ 3, Magnum is also compatible with LightHouse 2-based Raymarine MFDs.

Magnum radar adds Raymarine beam sharpening technology to deliver better than 1 degree bearing resolution for more detailed target separation, map-like coastal detail, and superior long-range performance. Additionally, Magnum's enhanced mini-automatic radar plotting aid (MARPA) offers

accurate and reliable target tracking, giving captains added confidence and peace-of-mind when navigating busy waterways.

Magnum models are available worldwide through Raymarine's authorized network of dealers and retailers. Prices start at £4,329.00 GBP/€4,699/\$4,699.99, excluding tax.

Raymarine experts will be at Seawork Stand Q28 to answer your questions or demo products within the Raymarine range. For more information, visit www.raymarine.com/magnum.

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About FLIR Systems

Founded in 1978 and headquartered in Wilsonville, Oregon, FLIR Systems is a world-leading maker of sensor systems that enhance perception and heighten awareness, helping to save lives, improve productivity, and protect the environment. Through its nearly 3,500 employees, FLIR's vision is to be "The World's Sixth Sense" by leveraging thermal imaging and adjacent technologies to provide innovative, intelligent solutions for security and surveillance, environmental and condition monitoring, outdoor recreation, machine vision, navigation, and advanced threat detection. For more information, please visit www.flir.com and follow [@flir](#)