

## FLIR Introduces Raymarine Element Series with Lifelike Sonar Imaging

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*New Sonar and GPS Combination for Recreational Fishing Delivers Superior Imaging, Speed, and Simplicity*

WILSONVILLE, Ore.--(BUSINESS WIRE)--Dec. 6, 2018-- FLIR Systems (Nasdaq: FLIR) today announced the Raymarine Element™, a new generation of advanced, combination sonar and GPS displays. Featuring the acclaimed Raymarine RealVision™ 3D and new HyperVision™ sonar technology, the Element series delivers lifelike imaging and helps meet the demands of both coastal and bass fishermen with advanced sonar, versatile mapping capabilities, and a highly intuitive user experience.

This press release features multimedia. View the full release here: <https://www.businesswire.com/news/home/20181206005201/en/>



Building on the success of FLIR's award-winning Raymarine Axiom® navigation displays, the Raymarine Element incorporates integrated patent-pending RealVision 3D sonar technology, improving anglers' underwater view with 3D bottom imagery and more precise location of fish targets. Element also introduces new patent-pending HyperVision 1.2-megahertz sonar technology, featuring ultra-high Compressed High Intensity Radar Pulse (CHIRP) sonar frequencies. HyperVision enhances the DownVision®, SideVision®, and RealVision 3D sonar, allowing anglers to see structure, vegetation, and fish with lifelike detail.

FLIR's Raymarine Element™ advanced, combination sonar and GPS displays deliver lifelike imaging for coastal and bass fishermen. (Photo: Business Wire)

Optimized for a simplified user experience, Element's new LightHouse Sport operating system and intuitive keypad controls let anglers quickly mark their favorite fishing spots and create their own high-definition bathymetric maps using the new Raymarine RealBathy™ real-time sonar map generator capability. Element's user experience is further enhanced by an onboard quad-core processor, delivering instantaneous chart redraw, smooth RealVision 3D imaging, and fast response while on the water.

"With the new Raymarine Element series, we are making our most advanced sonar technology and intuitive user experience available to a larger audience of recreational boaters," said Jim Cannon, President and CEO at FLIR Systems. "Element has impressive performance for its category, with the remarkable clarity of HyperVision imaging and our new LightHouse Sport operating system. Together, Element redefines the category for combined sonar and GPS navigation displays, giving anglers topline capabilities."

The Element series consists of 7-, 9-, and 12-inch display models. Element will begin shipping in the first quarter of 2019 through FLIR's maritime dealers and retailers.

For more information about the Raymarine Element, visit <http://www.raymarine.com/element>.

### 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 <http://www.flir.com> and follow [@flir](https://twitter.com/flir).*

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