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Oct 03, 2018 15:19 BST

Raymarine: FLIR Delivers Marine Industry First with Raymarine ClearCruise Augmented Reality Navigation Technology

ClearCruise Augmented Reality Brings a New Level of Navigation Awareness to Raymarine Axiom Users

WILSONVILLE, Ore. – October 3, 2018 – FLIR Systems, Inc. (NASDAQ: FLIR) delivers a marine industry first with the introduction of the Raymarine® navigation technology, ClearCruise™ AR (Augmented Reality), which brings enhanced on water awareness to Raymarine’s family of Axiom® multifunction displays (MFDs). With ClearCruise AR, Raymarine Axiom users can make smarter decisions with physical navigation objects overlaid directly on Axiom’s high-definition (HD) video display. FLIR also announced a new video stabilization module, the Raymarine AR200, which integrates with ClearCruise.

ClearCruise AR video imagery is supported by Raymarine CAM210 HD marine cameras to provide an augmented reality view from any camera position on the vessel. The AR200 video stabilization module includes a precision GPS/GNSS sensor and the same attitude heading reference sensor (AHRS) technology used in Raymarine’s award-winning Evolution™ autopilots. ClearCruise AR accurately displays nearby navigation markers, automatic identification system (AIS) traffic, objects, and waypoints in sync with real-world imagery for instant recognition and making complex navigation and high traffic situations simpler to understand.

This week, ClearCruise AR received the Innovation Award in the OEM electronics category at the IBEX marine industry event in Tampa, Florida. ClearCruise AR joins the Axiom MFD, which won the prestigious Miami Boat Show innovation award in 2017.

“Our new ClearCruise AR technology delivers an intuitive method of combining navigation data with the real world,” said Travis Merrill, President of the Commercial Business Unit at FLIR. “Using Axiom’s powerful video capabilities and our exclusive AR200 video image stabilization technology, ClearCruise AR gives captains greater confidence and peace of mind when navigating busy or unfamiliar waterways.”

ClearCruise AR for Raymarine Axiom, Axiom Pro, and Axiom XL multifunction navigation displays is compatible with the forthcoming LightHouse 3.7 OS update. Axiom users will be able to download the update at www.raymarine.com/lighthouse. The CAM210 HD marine video camera (€695 /£612.50, excluding tax) is currently available through FLIR’s network of Raymarine dealers and resellers. The AR200 video stabilization module (€495 /£437.50, excluding tax) and LightHouse 3.7 will be available in October 2018. To learn more about ClearCruise AR, visit

www.raymarine.com/clearcruise.

Watch Raymarine ClearCruise™ Augmented Reality video [here](#)

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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](#).

About Raymarine:

Raymarine, a world leader in marine electronics, develops and manufactures the most comprehensive range of electronic equipment for the recreational boating and light commercial marine markets. Designed for high performance and ease of use, the award-winning products are available through a global network of

dealers and distributors. The Raymarine-branded product lines include radar, autopilots, GPS, instruments, fishfinders, communications, and integrated systems. Raymarine is a brand of FLIR Systems, a world leader in thermal imaging. For more information about Raymarine visit www.raymarine.com.