

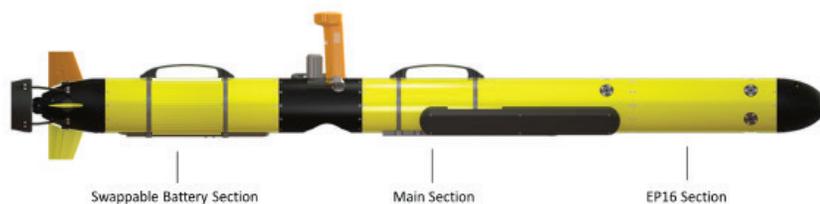


IVER3 OPEN SYSTEM AUV

Iver3 EP Expandable Payload

The Iver3 EP family of open system AUVs incorporates all of the standard Iver3 features along with options for added forward payload sections and an intuitive API for Remote Helm applications. The EP model is an open system where users can install their hardware and make software extensions to the vehicle without a custom design. L3Harris provides physical space inside the forward section for users electronics as well as hull penetrators to make connections to external sensors and provide access to the ambient environment.

MODELS AVAILABLE	IVER3 EP	IVER3 EP10	IVER3 EP16
Forward Section	-	10" Forward Section	16" Forward Section
External Ports	-	-	6 External Ports
2nd CPU (Remote Helm)	Included in Main Section	Included	Included



The Remote Helm design model includes a separate CPU, which allows users to install their own operating system of choice, that can connect to both the frontseat control CPU and the EP section equipment. The second CPU communicates with the Iver3 control CPU through a serial port via a comprehensive set of commands for Remote Helm control. The user applications are wide ranging, spanning hardware and software development, including custom behaviors using ROS, MOOS-IvP and other architectures.

Several voltages of power, serial and Ethernet connections, and bulkhead penetrator plugs are provided to maximize interoperability. A convenient and removable backplane plate is mounted in the EP section to serve as a fixed mounting location for user-configured sensors and equipment.

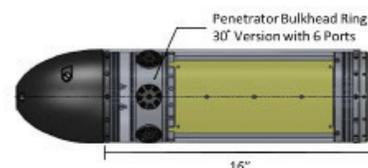
Iver3 EP Spec Sheet

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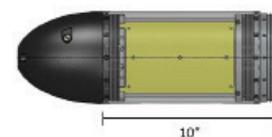
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EP16 Payload Section



EP10 Payload Section



t 508 678 0550
IVER.sales@L3Harris.com

L3Harris.com