

# Iver2 AUV for California Polytechnic State University



California Polytechnic State University has agreed to purchase a second Iver2 AUV for research purposes. The first Iver2 AUV was purchased in 2008 and has been used extensively for a variety of research applications including one project that required the vehicle to operate under the ice in the Arctic.

The new vehicle will also be a multi use platform in a number of research efforts including marine life tracking (such as sharks). The EP42 vehicle will be outfitted with a DVL for precision navigation and acoustic current profiling, along with a dual port camera system and a low-power acoustic modem.

The EP42 Expandable Payload (EP) platform includes a dedicated user CPU with disk to enable the installation of a user-selected operating system, sensor drivers and behavioural software. In addition, the EP vehicle ships with a well-documented Application Protocol Interface (API) with select vehicle command options to permit backseat driver control of the Iver2 AUV. The EP42 vehicle provides added payload space and a larger battery system with 760 Watt Hours of total battery capacity for extended mission range.

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<https://www.hydro-international.com/content/article/iver2-auv-for-california-polytechnic-state-university>

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