

EXRAY™ ROV

For professional underwater inspection jobs

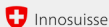
EXRAY™ is a Swiss-made professional underwater inspection robot specifically developed for detailed inspections of submerged assets.

Slim, agile, smart, and highly modular, it is an excellent tool for tough underwater inspection missions. Weighing a mere **8kg/18lbs** and having a slim profile of just **13cm/5"** in height, this robot is a powerhouse.

Equipped with **8 patented hubless thrusters** that allow for extra-precise control, it offers **6 degrees of freedom** maneuverability.

The EXRAY™ can operate for up to **6 hours on a single battery** charge. With a **built-in 4K camera, sonar sensors** and compatibility with a growing range of payloads, the EXRAY™ is your ultimate top performing ROV for challenging underwater inspection tasks.

DNV class certified.



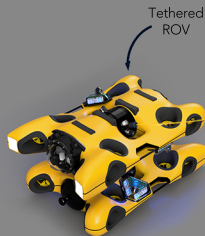
With a fully wireless flyout

Breaking new ground in the realm of mini-ROVs, the EXRAY™ offers an extension option with a flyout robot. This detachable companion can be fully controlled remotely, complete with live HD video streaming, eliminating the risk of entanglement.

The topside control station enables the pilot to place the tethered ROV in station-keeping mode, where it acts as a communication relay for the flyout as well as a third eye providing an additional perspective.

With a quick manual switch, the pilot can effortlessly alternate between the tethered and untethered robot. The flyout can be equipped with a metal thickness probe featuring A-scan functionality and is capable of hosting a variety of other payloads, just like its tethered twin.

To operate the flyout wirelessly, Hydromea has developed a proprietary wireless communication system that utilizes blue light for data transmission. Blue light enables the wireless range of up to 30 meters (100ft) in confined flooded spaces in addition to the tether length of the relay ROV.



Tethered ROV



Wireless Flyout

The company

Hydromea is a Swiss-based company focusing on miniaturization and automation of underwater robotics solutions for the operators of submerged assets.

Having its roots in developing swarm-capable mini-AUVs (autonomous underwater vehicles), the company has deep expertise and significant IP in smart miniature construction of robust inspection robots, high-bandwidth underwater wireless communication technology, hubless ultra-thin thrusters, distributed networking, autonomy features and many other cutting-edge features that differentiates its inspection robotic solution from other alternatives in the market.

Hydromea leads the development of the wireless communication industry standard in free-space optical communication as part of the SWiG (Subsea Wireless Group).



Avenue de Longemalle 11
1020 Renens, Switzerland

sales@hydromea.com

HYDROMEAA

