

# Coda Octopus Introduces New Echoscope Surface



Coda Octopus has released the Echoscope4G Surface as the first product in the company's new 4th-generation real-time 3D sonar line-up. It is described as a major step forward for the company's technology, offering a package which is lighter and smaller with a lower power requirement.

Further reducing the strains on operators, this sonar requires less tuning than other Echoscope models, and offers a better plug-and-play solution. Following the feedback from customers and a clear understanding of the key applications and environments in which they use the technology – the Surface enters a new distinct market space for shallow water system operation.

## ROVs and AUVs

Conventionally, the Echoscope range of products have been 600m or 3,000m rated making them at home on ROV, AUVs and vessels alike. Creating the Echoscope4G Surface Coda Octopus focused specifically on shallow water operational needs and were able to dramatically reduce the key SWaP (Size, Weight and Power) characteristics of the system with a 20m depth rating specification.

The benefits of this lighter, smaller Surface system for small operating platforms are extensive, all without compromising on the image fidelity, performance or capability. This makes the system an ideal tool for breakwater construction, port security, construction and underwater inspection tasks.

## Real-time 3D images

The Surface is offered in three different frequencies and opening angles, and is configurable dependent on the customer's requirements.

The Echoscope4G Surface uses the same proprietary technology to generate real-time 3D images and mapping as the larger Echoscope, and is operated using the same familiar topsides Underwater Survey Explorer (USE) and Construction Monitoring Software (CMS). It remains also fully compatible with all of Coda Octopus' existing 3D hardware products and accessories such as dual and single axis rotators, power supply units and mounting poles

For more information [see here](#).

---

<https://www.hydro-international.com/content/news/coda-octopus-introduces-new-echoscope-surface>

---