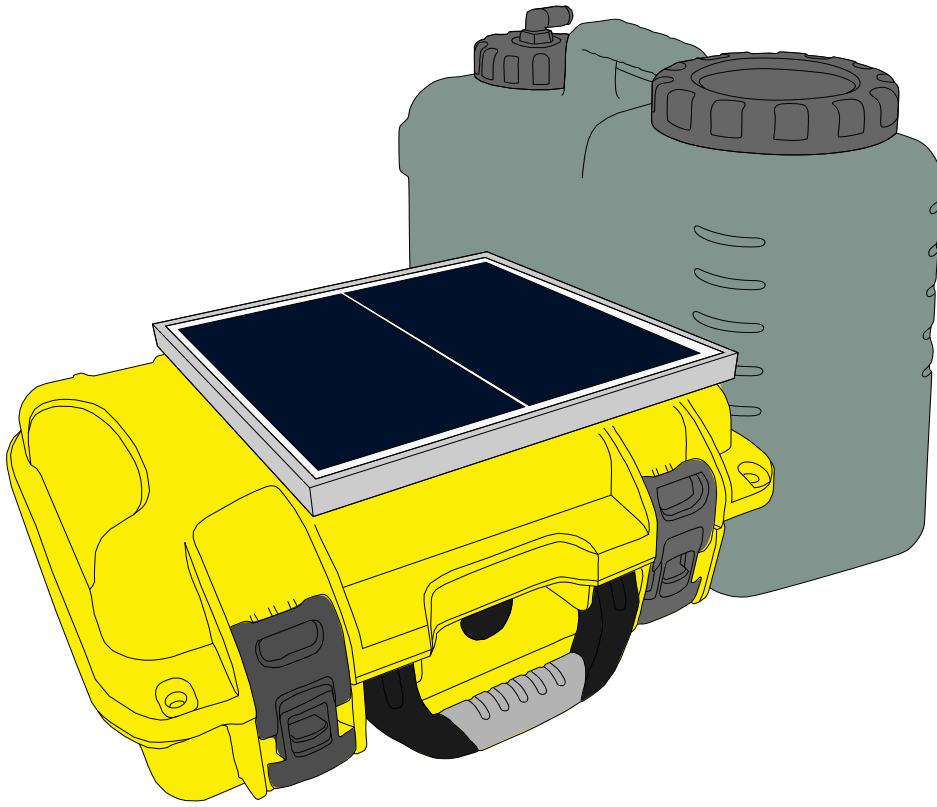
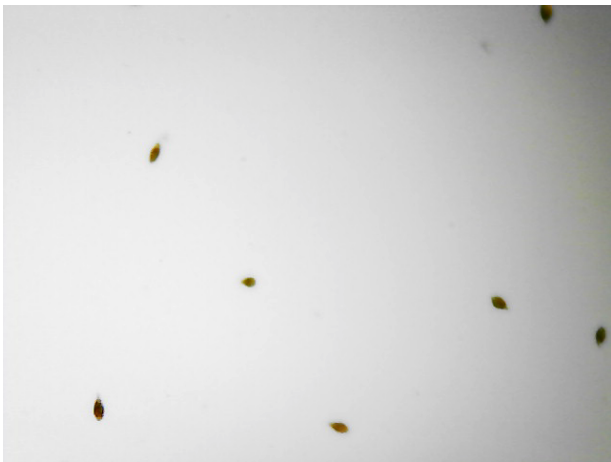


seaMS

Automatic Microscope System



\\ This is what it looks like under the sea now. /

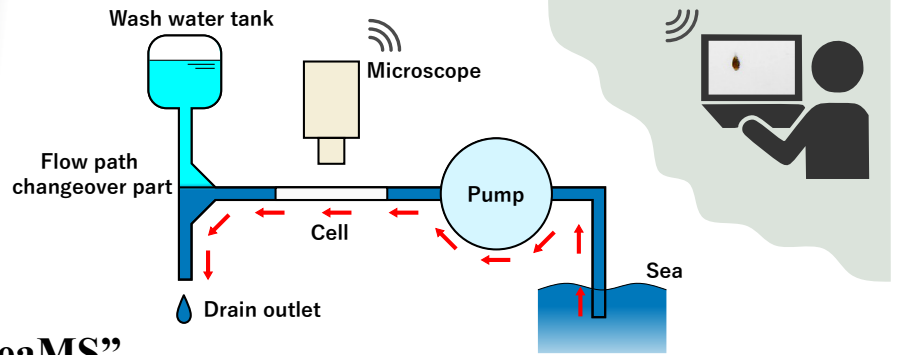


About "seaMS"



The "seaMS" (Automatic Microscope System) is a field-installed microscope that can automatically perform a series of operations such as water sampling, recording videos, and cleaning.

Seawater is pumped up from a preset depth, and the built-in microscope takes videos of the seawater.

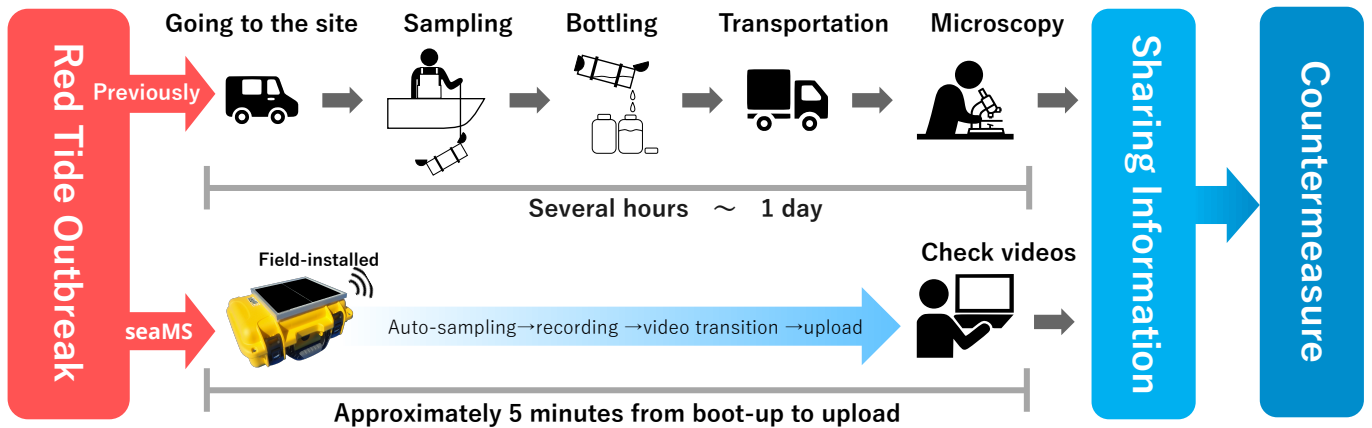


Introduction to Advantages of "seaMS"

Previously, it usually took several hours to a full day to visit the site, sample water, and examine the seawater in order to conduct a microscopy.

With seaMS the video can be viewed about 5 minutes after sampling water since seaMS has a field-installed microscope.

Therefore, there is no need to visit the site.



Trigger to Start Observation

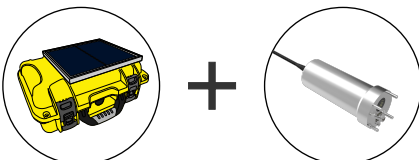
Periodic start-up

The system starts observation at the preset time. It stands by in low power mode after completing the observation, and settings can be changed remotely even during installation.

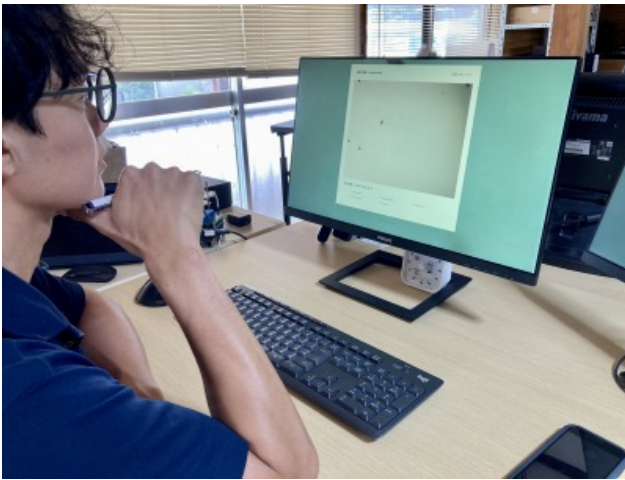


Trigger of the observed value (Special edition)

The water quality sensor manufactured by JFE Advantech Co., Ltd. is connected to seaMS. Next, seaMS starts observation when the observed value from the sensor exceeds the preset trigger range.



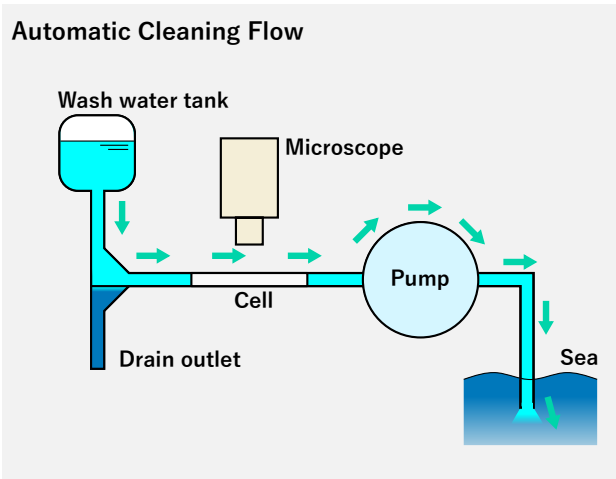
Features



Videos are recorded automatically and regularly. They can be viewed in real time on the website.



Operated by solar panel and battery. Built-in sim card eliminates need to prepare communication.



The flow path is cleaned after recording videos. Reversing the flow keeps it clean.



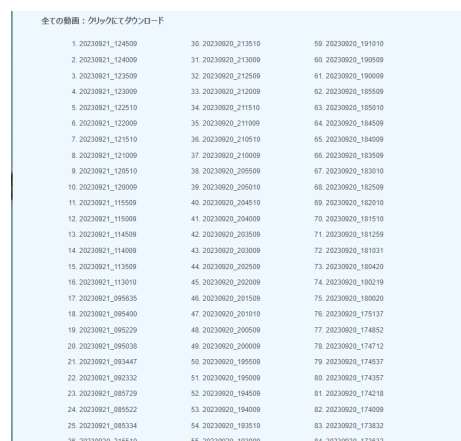
This trunk style is easy to carry and weighs about 7kg. It can be easily removed and installed.

How to Check Videos

You can view the latest video taken by seaMS on the website immediately after observation. The past videos can also be downloaded at any time.

Sample page↓

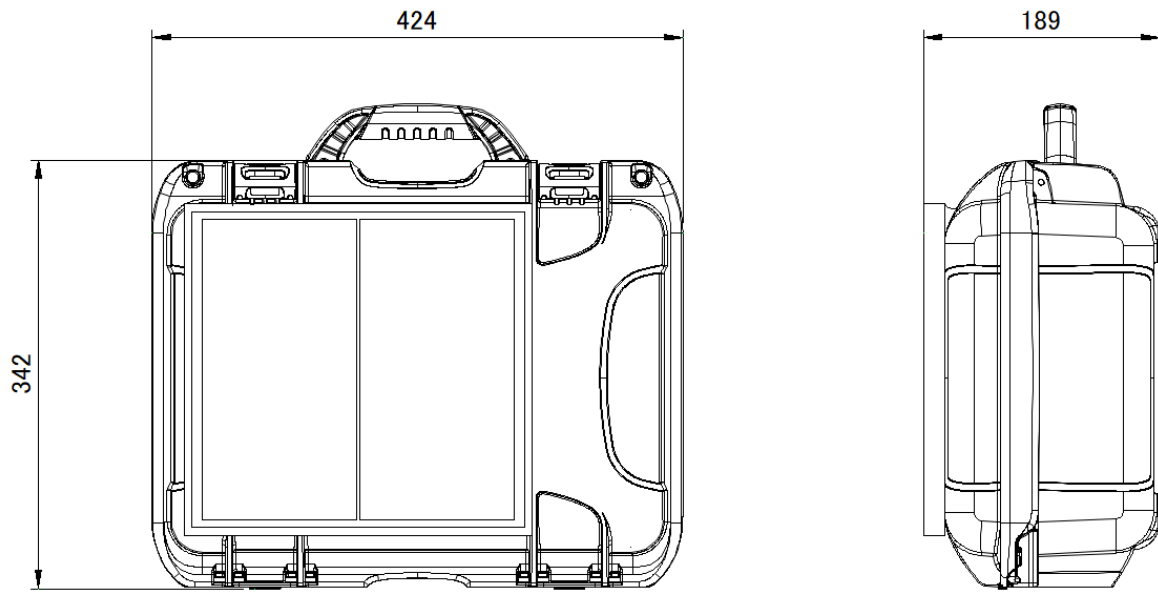
<https://www.microscope-area.jp/sample/HP/index.php>



Sample page↓



External Dimensions and Specifications



Specifications

Weight	approx. 7 kg
Dimensions	W424×D342×H189
Waterproof performance	IP65
Power source	12V10Ah LiFePo4 Battery 12W Solar panel
Communication	LTE
Observation interval	From 60min.
Video duration	30sec.
Resolution	640×480px
Sampling depth	0~10m
Sampling layer	1~2 Layers.



NISHIMURASYOKAI CO., LTD.

KONAGAI BRANCH
 256-19, MAKI, KONAGAI, ISAHAYA-CITY,
 NAGASAKI 859-0164 JAPAN
 PHONE: 81-95-734-3760
 FACSIMILE: 81-95-734-3722

HEAD OFFICE
 1-2-31, IRABAYASHI, NAGASAKI-CITY,
 NAGASAKI 850-0802 JAPAN
 PHONE: 81-95-828-2222
 FACSIMILE: 81-95-824-6144