

Inspection

CCROV is used more and more in underwater inspection services. It can inspect ships, dams, power plants, underwater bridge piers, potable water tanks and fire water tanks and so on. Compared with sending a commercial diver underwater, it's a much safer and faster way. In the long run, it's very cost-effective. This small investment will bring you more profits and save your costs. It can

- dramatically shorten employee underwater work-hours
- reduce the risks involved with diver deployment
- be easily and fast deployed anytime and almost anywhere

CCROV can

- conduct visual inspections on their own
- serve as a pre-dive risk assessment and planning tool
- used along with divers on repair jobs – assisting divers and allowing dive supervisors to monitor and advise those doing underwater tasks.



Customer Case:

- [Boat maintenance by commercial diving company](https://www.youtube.com/watch?v=NDQaPWcjJhc)
<https://www.youtube.com/watch?v=NDQaPWcjJhc>
Our client used CCROV instead of human diver to do a routine inspection . CCROV soon found a screw is rusty. A diver was deployed to replace the screw, while CCROV enabled people on deck monitor how the maintenance job was done by its real time imagery transmission.
- [400m long cargo ship inspection](https://www.youtube.com/watch?v=J-e6WA08DqQ)
<https://www.youtube.com/watch?v=J-e6WA08DqQ>
Our commercial diving company client used CCROV to perform routine inspection for a 400m long international cargo ship. It takes around 2 hours to finish, including the hull, propellers and meter readings.
- [Hydropower CWP-system underwater inspection](https://www.youtube.com/watch?v=GZAuTIWibcQ)
<https://www.youtube.com/watch?v=GZAuTIWibcQ>
Our client used CCROV in a hydropower inspection. CCROV have 6 thruster, giving it a huge mobility advantage especially in confined space.

Salvage

CCROV's 720P real time image transmission and 4 camera tracking LEDs guarantees that it can work in dark deep underwater environment, even in muddy water. Its small size and unrivalled mobility makes it easy to reach almost everywhere, sometimes places even human divers cannot reach.



Customer Case:

Because of the special nature of some salvage work, customers' videos are confidential and cannot be exposed to public. As a volunteer, VxFly does some rescue and salvage work for the police.

- In midnight of this June 3rd, a young man left a note and committed suicide by jumping into a lake. Our colleague operated CCROV searching for the young man and within 1 hour his face showed up in the monitor. Unfortunately it was too late. Actually when they arrived at the scene, there was already no sign of hope...
- Our client which is a salvage team used CCROV to search for a sunken car. Within 1 hour, the car was found. Compared to deploying a commercial diver, CCROV is more efficient and economic.

Training

Swimming, diving, underwater welding, underwater cutting and underwater polishing, students need need training to be qualified. Traditional way of training, instructors cannot have a very good view unless they dive into water too. Now CCROV let them see students' movement underwater in real time.



Customer Case:

- [Dive Training](#)

<https://www.youtube.com/watch?v=VlkfxnBalgI>

Our dive club client used CCROV in dive training. CCROV is equipped with 4K camera. It can take pictures when people dive, and it can record videos as teaching material too.

- [Synchronized Swimming Training](#)

https://www.youtube.com/watch?v=9P_ru2xB_Ho

Our client used CCROV in synchronized swimming training. Now the coach can have a real time view of underwater posture.

Diving and Expedition

Diving is becoming people's favorite leisure time activity now. What can compare to the experience of immersing in the beautiful underwater world? Want a good helper when you dive? CCROV is right at your disposal!

You can

- ✧ send it to check the underwater situation (for example, water visibility, water temperature etc.) before you dive
- ✧ use it to record you diving
- ✧ use it to enable your friends on deck to enjoy the beautiful underwater view with you simultaneously



Customer Case:

- [Ship wreck exploration](https://www.youtube.com/watch?v=tp-1QEO6sfU)
<https://www.youtube.com/watch?v=tp-1QEO6sfU>
Our customer used CCROV in a ship wreck exploration. They used CCROV to check the wreck site situation (water visibility, water temperature etc.) in advance. After that, CCROV acts as a remotely controlled underwater camera to record them diving.

- [Cave Expedition](https://www.youtube.com/watch?v=TemeufHPJmw)

<https://www.youtube.com/watch?v=TemeufHPJmw>

Cave expedition can be exciting and dangerous at the same time. In order to guarantee safety, a diver is often deployed to check underwater situation before official diving. This time CCROV is deployed to check underwater situation. CCROV is portable and small, can be easily deployed from a small boat. Underwater situation is shown on screen by real time imagery transmission and divers can quickly decide whether to carry on the dive.

Photography

Are you an enthusiast of underwater photography? Or maybe an underwater film maker? I bet you have a good collection of underwater cameras. Have you heard of a remotely controlled deep depth camera?

Traditionally, you need to put on diving gear and dive into water by yourself to shoot underwater photos. But what if you're worried

- ✧ whether the water visibility is good enough
- ✧ whether the underwater scene is worth shooting
- ✧ there might be some hidden risks
- ✧ the place you need to go is too deep

CCROV offers a best solution!



Customer Case:

Our Malta customer shot these beautiful fish school and German customer shot these scallops using CCROV. CCROV is the first underwater drone equipped with 4K UHD camera. It has 4 high lumen LEDs, enabling it to shoot in darker deep water.