

Deep Sea Observation System

750m / 30 days



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This system was developed to take time lapse photo or video recordings at great depths for long periods of time. For example, 3 minutes of high-quality video can be recorded every hour for a period of 30 days* or you can take thousands of photos at a programmable interval over a very long period of time.

The system consists of three separate components, connected with adjustable ball heads:

- 1** In the Base Unit there is a rechargeable high-performance LiPo4 battery with a capacity of 1400 watt hours. The programmable controller, on which the user can set the recording intervals and the recording duration, is also located here.
- 2** The Light Head is based on a adjustable high-performance LED light with up to 4000 lumen output. Depending on the required shooting distance, the light intensity can also be set via the controller, which also synchronises the light with the camera.

* The achievable recording time depends on the required light intensity and the duration of the recording sequences.

3

The Camera Unit is equipped with a Sony RX0 II camera which features a large 1 inch sensor and a ZEISS Tessar lens. It not only delivers very high quality photos and videos but also saves a lot of battery power because of its great low light performance.

Because of that, the output power of the LED Head can be reduced for longer recording times or greater shooting distances can be achieved in very dark environments.



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modularity

Due to the modularity of the system, it can be adapted to different requirements. If necessary, other camera systems or more and even more powerful lighting systems can be installed.

The three components are equipped with pluggable cable connections that can be changed quickly and are waterproof up to 6000m.

Tell us what you need and we will build it!