

In-situ Imaging System for Particles and Zooplankton

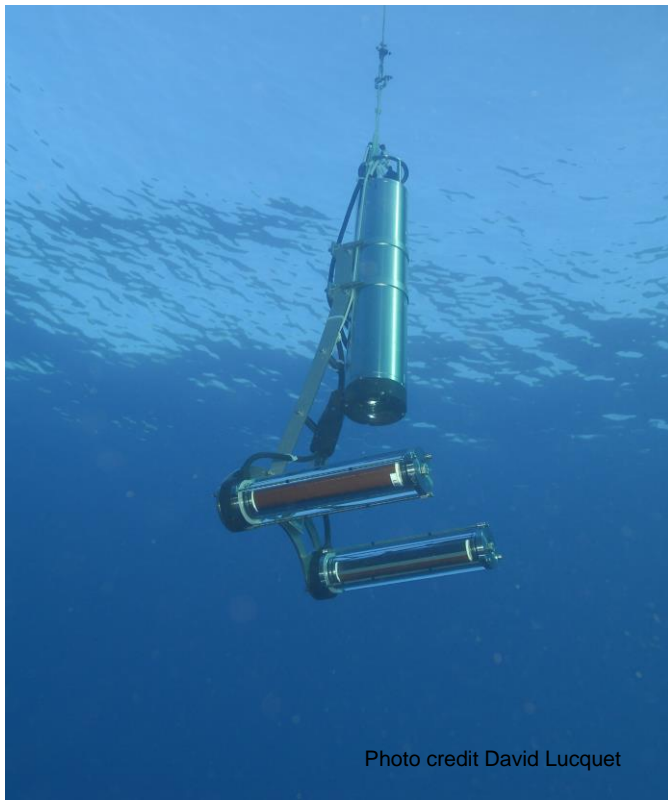
Underwater Vision Profiler (UVP5 HD) “Deep”

The Underwater Vision Profiler was developed for in-situ analysis of particles and zooplankton. When interfaced with CTD, the distribution of particles can be displayed in real time together with the CTD data. The UVP is an ideal instrument for investigating the deep ocean zones.

UVP specific features:

- 30 Kg in air
- 6000 m rated
- camera, computer, optics, pressure and angle sensors
- Self powered system
- Can be mounted within a CTD frame
- Can be used on moorings for long-term monitoring

New model!



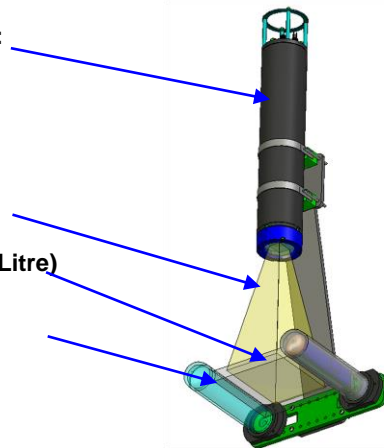
Main body:

Camera
Computer
Battery ion Li
Electronic
(Sensors)

Light beam

Volume (1 Litre)

Lighting system



Courtesy LOV CNRS/UPMC Villefranche/m, France

Specifications:

Non-destructive testing

Depth 0 to 6000 meters

Sample volume: 1.02 L per frame (4x20 cm)

Sampling rate : up to 20 Hz

Image resolution: Acquired objects > 100 µm

UVP Dimension (L) 1100 cm

Weight: 30 Kg

Interface: RS232 Ethernet, I/O, Analog input/output

Lighting: Red LED of 625nm in two glass cylinders

Image analysis Software: are free and available at :

www.zooscan.com

Manufactured under a CNRS proprietary licence

Contact :

Jérôme COINDAT

Hydroptic

8 Avenue du Commandant Taillefer –

31230 L'Isle en Dodon – France

+33.673.99.57.90 /+33.963.24.82.20

jerome.coindat@hydroptic.com

