



The Oceano'Cam system includes a modular structure, a camera chamber, a power supply chamber, a Pan/tilt head, 2 LEDs lights, 1 spot LED light, 600m optical fiber cable and a complete 4To HD recorder unit through a Laptop.

It can shoot HD pictures at -500m deep max.

A lightweight aluminium platform

- Dimensions of the aluminium structure : 1m X 0,60m X 0,7m
- Adjustable height from 0.5m to 0.8m

Oceano'Cam camera chamber

- Broadcast HD 1080i 3CCDs camera with Broadcast zoom lense 5.5x22
- HDSDI to optical and optical to control datas conversion
- Electronic boards to control lifights, Pan&ilt, zoom and camera set up.
- Dimensions : 40cm X 30cm X 20cm



Pan/Tilt head for the camera and central spot light.

- 24v 2x1,25AMPS

Power supply Chamber 24v 320W DC.

Lights :

- 2 LEDs lights 2400 lumens consumption 36w in air, 70w oil fitted : (down to 60m deep in air and -500m deep oil fitted)
- 1 LEDs spotlight 1000 lumens 25w dimable (down to 60m deep in air and -500m deep oil fitted)

The signal transmission is made by a strong 4 optic fibers cable (from 200m to 20 Km). Thanks to its umbilical optical fiber, the Oceano'Cam carries uncompressed HDSDI to the surface.

Surface parts :

The Remote Control Panel on surface provides access to all of the menus for camera, zoom lense, pan and tilt head and lightings level settings. It includes :

- Optical/HDSI conversion
- Joystick control system for Pan, tilt and zoom controls.
- Focus and Iris controls
- Camera Remote control Panel
- Light on/off and spotlight level
- Camera informations screen
- 220v/12v power supply
- Dimensions : 120x260x400mm

As the video is in HDSI format, we suggest this configuration to record pictures :

Mac Laptop

Full HD monitoring

4 To RAID eSata Hard Disk

Security 4 To RAID eSata Hard Disk

Other recording possibilities are available.

Different possibilities for use :

- The autonomous version is linked by up to 3 km fiber to a boat or any platform, at depth max of 500m. (Except power supply)

This configuration allows to take long and regular shots for aquaculture, natural surveillance, submarine HD Webcam...

- The trailed version can fit on any ROV (Remoted operated vehicle)

This configuration allows travelling on seabed, precise positioning to shoot wreck, Fish depth, subsea dramas and wildlife documentaries.

Specifications for the complete system

Underwater parts :

Total weight in air : 30kg without ROV

Minimum boat dimensions in light configuration (without ROV) : 12m

Minimum boat dimensions in heavy configuration (with ROV) : 15m

Minimum surface for the cables : 2mx3m