

## Resident Camera System

SMOOVE® brings together Forssea's know-how for real-time underwater vision and Ifremer's expertise in resident systems and scientific observatories deployment.

System is coming with a turnkey API, web user interface and multiple customization options (depth, lights, cables and power supply). Example of application: Seabed observatory, costal survey, visual monitoring, military surveillance.



IN COLLABORATION WITH



**HD Video Footage**



**Chlorination System for Marine Growth Repelling**



**Embedded GPU / CPU with Storage Capacity**



**User Interface & API**



**Long Immersion & Low Consumption**

### ELECTRICAL

Voltage	24V
Power	40W (camera only) 48W (2x Lights)
Connectors	3x SubConn Micro (5 pins) 1x SubConn Micro (12 pins)
Data Transfer	Ethernet (10/100)

### OPTICAL

Sensor	Sony FCB-EV7520 HD
Sensitivity	TBC
Resolution	Supports HD resolutions up to 60 fps (1080p, 720p and lower)
Optical Zoom	30x (with auto-focus)
Field of View (air / water)	63.7° / 50°

### MECHANICAL

Housing Material	Titanium (6,000M rated)
Lens	Saphire Glass
Weight	12,4 kg (Camera Housing)
Dimensions	150mm x 283mm

### API

- Recording sequence
- Light Control
- Camera Control (Zoom, focus, iris aperture...)
- All internal parameters
- Chlorination Sequence

### OPTIONS

- Mounting brackets
- Custom Wiring
- 250Wh Battery
- Chlorination system for camera & lights
- 2x Lights (500m or 6,000m rated) – 4,800 Lumen