

## 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 delivered with a turnkey API, web 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



4K 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	20W (camera only) 72W (2x Lights)
Connectors	3x SubConn Micro (5 pins) 1x SubConn Micro (12 pins)
Data Transfer	Ethernet (10/100)

### OPTICAL

Sensor	CMOS Block Camera SONY FCB-ER8530
Sensitivity	High Sensitivity (minimum recommended 100 Lux)
Zoom	Optical 20x
Resolution	Up to 4k @ 30 fps
Lights	2 x 6,500 lumens (2,000m or 6,000m)
Field of View (H)	Air: 70.2° / Sea Water: 50.8°

### MECHANICAL

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

### API

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

### OPTIONS

- Mounting brackets
- Custom Wiring
- 250Wh Battery
- Chlorination system for camera & lights