

PoE | Low Latency Camera

The OBSCAM is a **2 000m rated Titanium** camera delivering **4K low-latency Ethernet streaming**. Designed for demanding subsea operations, it combines highperformance imaging with a robust, deepwater housing.



FEATURES

-  **4K / FHD | 30 / 60 fps**
-  **Visibility Enhancement**
-  **Real-Time Adaptive Streams**
-  **Low latency | PoE**
-  **Web UI & API**
-  **High Level Zoom**

It is delivered with a full **30x zoom** and a native **web interface** for easy camera setup, control, and built-in **remote access**. **Visibility enhancement**, auto-focus are **embedded** directly on the device with **minimal** impact on **latency**. The OBSCAM also supports **automatic device detection**, enabling real-time monitoring and the creation of integrated observation dashboards for subsea operations.

OPTICAL

Sensor	Sony FCB-ER8530
Zoom	x20 optical x30 software
Features	B&W WB High Sensitivity
Resolution	FHD 60 fps standard 4K 30 fps available
Codec(s)	H.264 H.265
Field Of View	Air: H 70° / V 44° Water: H 51° / V 32° Wider option on demand

MECHANICAL

Housing Material	Titanium Aluminum on demand
Lens Material	Sapphire glass
Weight	In air: 2.2 kg In water: 1.1 kg
Dimensions	L = 205mm w/o connector Ø = 85 mm
Filling gas	Nitrogen

ENVIRONMENTAL

Depth Rating	Standard 2 000 m 6 000 m on demand
Storage Temp	-5°C to 70°C
Operating Temp	0° to 45°C

ELECTRICAL

Power Supply	PoE 24V coming soon
Power Consumption	5 W
Connector (customization on demand)	8 Pin Gb Ethernet SubConn DBH8M 1m Flying Lead
Network Interface	10 / 100 / 1000 Ethernet

Pinout

Camera side	Pin	Ethernet Gb
1	1	A+
2	2	A-
3	3	B+
4	4	C+
5	5	C-
6	6	B-
7	7	D+
8	8	D-

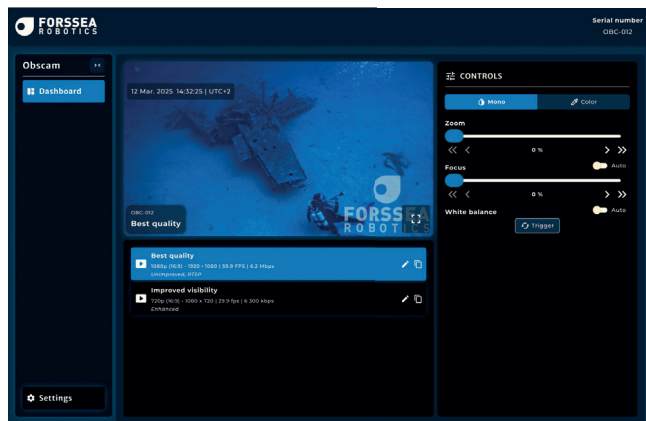


Web Streaming



Seamless Integration | No Software Required

The platform is entirely web-based and designed for true plug-and-play operation: power the camera, connect it to the network, and access the interface instantly: no installation, no configuration. Built for modern offshore operations, the system is designed for remote access, enabling onshore experts to supervise missions in real time.



Web App | Intuitive UI

Operators can instantly identify available video streams, distinguishing between nominal quality and visibility-enhanced modes at a glance, eliminating ambiguity during critical phases. One-click stream switching enables immediate adaptation without interrupting workflows, while the integrated "RTSP Copy Link" function accelerates DVR deployment and third-party integration.

Visibility Enhancement

Operators can instantly toggle between a nominal stream and a dedicated "Visibility Improvement" mode, ensuring optimal image clarity regardless of turbidity or lighting conditions.

APPLICATIONS

- ROV and AUV integration
- Defense & surveillance systems
- Subsea inspections and maintenance
- Marine research & environmental
- Offshore energy operations

Adaptive Streaming

Built with remote operations in mind, the platform provides precise control over bitrate and data consumption, allowing teams to balance image quality with bandwidth limitations during offshore transmission.

