

PoE | Low Latency Camera

The Minicam is a **500m rated** Aluminum camera providing **1080p video streaming** over Ethernet at **low latency**, bandwidth, and power.

It is delivered with a native **web-interface** for an easy camera setup, control and builtin **remote access**.

Visibility enhancement is also embedded on the device with **close to zero impact** on the **latency**. This feature makes the Minicam an ideal subsea camera for ROV inspection, survey and remote monitoring applications.

Forssea **cameras** embed an **auto-detection** feature to create an all-in-one dashboard viewer.



FEATURES



Full HD | 60 fps



Visibility Enhancement



Real-Time Adaptive Streams



Low latency | PoE



Web UI & API

OPTICAL

Sensor	Sony IMX327
Focal	Fixed
Resolution	FHD 1080p 60 fps
Codec(s)	H.264 H.265
Field Of View	Air: H 90° / V 75° Water: H 65° / V 55°

MECHANICAL

Housing Material	Hard Anodized Aluminum Titanium option on demand
Lens Material	Polycarbonate glass Flat / Dome
Weight	In air: 570g In water: 220g
Dimensions	L = 119mm w/o connector Ø = 63.5 mm

ENVIRONMENTAL

Depth Rating	Standard 500 m
Storage Temp	-5°C to 70°C
Operating Temp	0° to 45°C

ELECTRICAL

Power Supply	PoE 24V coming soon
Power Consumption	3.5 W
Connector (customization on demand)	8 Pin Ethernet 1m Flying Lead
Network Interface	10 / 100 / 1000 Ethernet

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

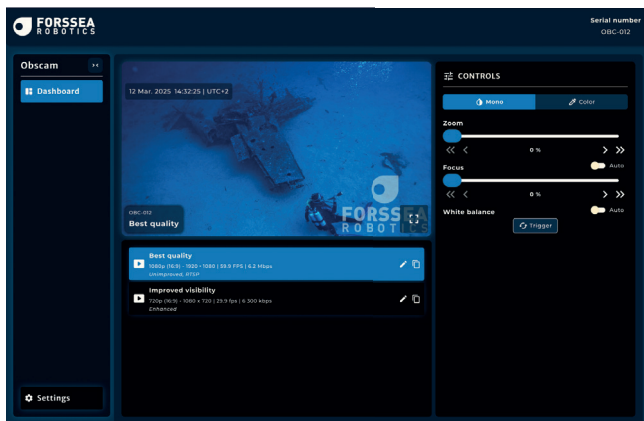


Web Streaming



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.

