

# Sounder USV



KONGSBERG



## Optimizing performance of sensors and systems

The Sounder USV is designed to support sustainable operations by offering a cost-effective, efficient, and environmentally friendly solution for underwater data collection and mapping. Its advanced capabilities allow it to deliver data comparable to larger research and fishing vessels at a fraction of the cost, enabling users to cover larger areas more economically.

The USV's smaller size and lower fuel consumption significantly reduce operational costs and carbon emissions, while its ability to navigate shallower waters and tighter spaces enhances data accuracy without disturbing marine life.

### Tailored for various payloads and use cases

This model supports multiple sensor integrations and features a versatile moonpool for sensor deployment. The Sounder USV is equipped with high-performance navigation and communication systems, which enhance the effectiveness of the integrated sensors. It accommodates a wide array of Kongsberg sensors for hydroacoustic mapping, communication, fish detection, and oceanographic research, integrated seamlessly into the moonpool or mounted on the hull for maximum versatility.

## Technical specifications

Top speed	13 knots
Recreational Craft Directive (RCD)	Category B
Length	7.99 meters
Beam	2.14 meters
Height (mast up)	4.59 meters
Height (mast down)	2.44 meters
Weight	4000 kg
Fuel	400 liters
Optional extra fuel tank	400 liters

### Situational Awareness

PTZ Camera	NN2025
Main Camera	KCC 100 4D
Radar	Simrad HALO24 radar
AIS	Kongsberg AIS 300
Sensor Fusion	SeaAware 50 USV

### Navigation

GNSS  
Gyro compass system  
DGNSS  
Weather station

### Communication

Radio communication  
4G Communication  
Satellite

Seapath OEM 30  
MGC R3  
DGNSS 3710  
Aimar 220WX

MBR 179 or MBR 144

Iridium and Starlink

## FEATURES

- Endurance 20 days
- Moonpool enables easy payload exchange
- 180° camera
- Object detection
- Mechanically stabilized PTZ thermal camera
- GNSS positioning with cm precision
- Dead reckoning functionality in case of loss of GNSS
- Communication: 4G, Starlink, MBR
- Beacon functionality through Iridium
- Diesel powered