

Sounder USV with Gondola



KONGSBERG



Seamless uncrewed operations

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.

Maximum versatility

This model supports multiple sensor integrations and features a spacious gondola designed for optimal hydroacoustic sensor performance. The Sounder USV enhances payload capabilities through its advanced navigation and communication systems, combined with the gondola's design for superior sensor performance. It accommodates a wide array of Kongsberg sensors for hydroacoustic mapping, communication, fish detection, and oceanographic research, integrated seamlessly into the gondola for maximum versatility.

Technical specifications

Top speed	9 knots
Recreational Craft Directive (RCD)	Category B
Length	7.99 meters
Beam	2.14 meters
Height (mast up)	5.94 meters
Height (mast down)	3.25 meters
Weight	4845 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 14 days
- Full range EK80, EM2040/2042 and Topas
- 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